

# Apparel Design and Development

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## Introduction

The Apparel Design and Development program prepares students for careers in the apparel and fashion-related industries as team members who understand the whole of the apparel pipeline. Graduates of Stout's program hold careers in apparel product design and development, apparel product management, and apparel quality assurance.

Apparel design courses integrate consumer needs and desires with aesthetics and technology as they address societal and ethical issues. The technical courses are supported by state-of-the art laboratories. Yearly, the program has credit-producing learning experiences traveling to New York City and other apparel and fashion centers. A semester of study at the American College in London is available to program students.

The Apparel Design and Development program is one of only 13 programs of its kind in North America that has affiliation status with the American Apparel and Footwear Association.

## General Requirements

### Bachelor of Science Degree

|                            |               |
|----------------------------|---------------|
| Total for graduation ..... | 124 credits   |
| General Education .....    | 42 credits    |
| Major Studies .....        | 61-62 credits |
| Concentrations .....       | 15 credits    |
| Electives .....            | 5-6 credits   |

Students are required to take 61 or 62 business and professional core credits and select one or more of the three 15-credit concentrations:

1. Apparel Design
2. Apparel Product Management
3. Apparel Development

Course grades of "C" or higher are required in the Professional Core and the concentrations.

## Program Requirements

### General Education

**42 credits required**

#### A. Communication Skills

**8 credits**

|           |                                                   |   |
|-----------|---------------------------------------------------|---|
| ENGL-101  | Freshman English – Composition or                 |   |
| ENGL-111  | Freshman English – Honors I .....                 | 3 |
| ENGL-102  | Freshman English – Reading and Related Writing or |   |
| ENGL-112  | Freshman English – Honors II .....                | 3 |
| SPCOM-100 | Fundamentals of Speech .....                      | 2 |

#### B. Analytic Reasoning

**6 credits**

*Courses must be from areas including math, logic, statistics and computer science.*

#### C. Health and Physical Education

**2 credits**

*Courses must be from areas of health, physical education or nutrition.*

#### D. Humanities and the Arts

**9 credits**

*Courses must be from three or more areas including art history, creative arts, foreign language and culture, history, literature, music appreciation, performing arts and philosophy.*

#### E. Social and Behavioral Sciences

**9 credits**

|                                                                                                                                            |                                               |   |
|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|---|
| ECON-210                                                                                                                                   | Principles of Economics I (recommended) ..... | 3 |
| <i>Courses must be from three or more areas including anthropology, economics, geography, political science, psychology and sociology.</i> |                                               |   |

#### F. Natural Sciences (with Lab)

**4 credits**

#### G. Technology

**2 credits**

#### H. General Education Electives

**2 credits**

*Courses must be from categories A, B, D, E and F.*

## Major Studies

**61-62 credits required**

### Professional Core

**44 credits required**

|          |                                                                                   |     |
|----------|-----------------------------------------------------------------------------------|-----|
| APRL-101 | Introduction to Apparel Design and Development .....                              | 3   |
| APRL-140 | Textiles .....                                                                    | 3   |
| APRL-166 | Apparel Construction .....                                                        | 3   |
| APRL-180 | Pattern Development .....                                                         | 3   |
| APRL-202 | Quality of Sewn Products .....                                                    | 3   |
| APRL-250 | Textile Evaluation .....                                                          | 3   |
| APRL-274 | Fashion Industry .....                                                            | 3   |
| APRL-355 | Special Topics in Apparel Design and Development<br>(four credits required) ..... | 1-3 |
| APRL 370 | Portfolio Development .....                                                       | 3   |
| APRL-375 | Technical Design Development .....                                                | 3   |
| APRL-381 | Functional Clothing Design .....                                                  | 3   |
| APRL-382 | Advance Pattern Development .....                                                 | 3   |
| APRL-394 | Knit Design and Technology .....                                                  | 3   |
| APRL-398 | Field Experience or                                                               |     |
| APRL-X49 | Cooperative Education .....                                                       | 1   |
| APRL-474 | Apparel Production .....                                                          | 3   |

**Business Core***17-18 credits required*

|           |                                                        |       |     |
|-----------|--------------------------------------------------------|-------|-----|
| BUINB-260 | Introduction to International Business                 | or    |     |
| BUINB-367 | International Management                               | ..... | 3   |
| BUINB-485 | International Marketing                                | or    |     |
| BUMKG-330 | Principles of Marketing                                | ..... | 3   |
| BUMKG-479 | Marketing Research                                     | or    |     |
| PSYC-370  | Interpersonal Effectiveness                            | ..... | 2-3 |
| BURTL-227 | Basic Merchandising                                    | ..... | 3   |
| BURTL-319 | International Economic Trends in Textiles and Clothing | ..... | 3   |
| INMGT-400 | Organizational Leadership                              | ..... | 3   |

**Concentrations***15 credits required***Apparel Design**

|           |                                          |       |   |
|-----------|------------------------------------------|-------|---|
| APRL-185  | Apparel Line Development                 | ..... | 3 |
| APRL-211  | History of Fashion                       | ..... | 3 |
| APRL-286  | CAD for Apparel                          | ..... | 3 |
| APRL-485  | Apparel Design Studio                    | ..... | 3 |
| BURTL-417 | Social-Psychological Aspects of Clothing | ..... | 3 |

**Apparel Development**

|           |                                      |       |   |
|-----------|--------------------------------------|-------|---|
| APRL-185  | Line Development                     | ..... | 3 |
| APRL-286  | CAD for Apparel                      | ..... | 3 |
| BUACT-206 | Introduction to Financial Accounting | ..... | 3 |
| BUMIS-333 | Management Information Systems       | or    |   |
| APRL-485  | Apparel Design Studio                | ..... | 3 |
| ENGL-415  | Technical Writing                    | ..... | 3 |

**Apparel Product Management**

|           |                                      |       |   |
|-----------|--------------------------------------|-------|---|
| BUACT-206 | Introduction to Financial Accounting | ..... | 3 |
| BUMIS-333 | MIS Decision Support Systems         | ..... | 3 |
| ENGL-415  | Technical Writing                    | ..... | 3 |
| INMGT-120 | Quality Concepts                     | ..... | 3 |

**Select one of the following courses:**

|           |                          |       |   |
|-----------|--------------------------|-------|---|
| BUMGT-304 | Principles of Management | ..... | 3 |
| BUMKG-438 | Industrial Distribution  | ..... | 3 |
| ECON-480  | International Economics  | ..... | 3 |
| POLS-340  | International Relations  | ..... | 3 |

**Electives***5-6 credits required*

# Applied Science

## Introduction

The Applied Science program offers a unique educational experience for students to learn science by doing science. The program emphasizes flexibility through a broad scientific base along with experience through a chosen career emphasis. In a world of new products and processes, the program also fosters the creativity needed to contribute to new scientific advances. Our program prepares graduates for a variety of expanding careers in biotechnology, nanotechnology, health sciences, materials science and science education. The strong academic content of the Applied Science program will also prepare graduates for entry into a variety of professional (such as medical, pharmacy, veterinary or chiropractic) and graduate schools.

The curriculum is based on a core of chemistry, physics, biology and mathematics. Students will explore cutting edge topics in nanotechnology and biotechnology in addition to the many facets of applied science, including technical writing, data analysis, interpersonal communication and experiment design. Principles in management, marketing, manufacturing, and finance are introduced.

In addition to working with instructors from a broad range of fields, students gain significant hands-on experience through a field or cooperative education experience. This versatility offers the qualities that employers are looking for in today's college graduates — interpersonal and problem-solving skills, high energy level and good judgment.

Our graduates are able to enter a myriad of occupations and career paths after graduation. Some of our graduates have chosen to enter the work force directly by becoming scientific sales representatives or laboratory technicians. Many of our graduates have continued with their passion in science and have chosen graduate schools in fields ranging from marine microbiology to bio-nano chemistry, while other graduates have entered dental or pharmacy schools.

In addition to fulfilling the university's basic admission requirements, Applied Science applicants must also have an ACT math score of at least 22 (*SAT math 510*) and either rank in the upper 40 percent of your high school class (or *GPA of 3.0*), or have a composite ACT score of 22. Nontraditional or transfer student admission will be based on current admission standards with guidance from the program director.

## General Requirements

### Bachelor of Science Degree

|                            |                 |
|----------------------------|-----------------|
| Total for graduation ..... | 120-126 credits |
| General Education .....    | 42-47 credits   |
| Major Studies .....        | 37-41 credits   |
| Concentration .....        | 36-44 credits   |

## Program Requirements

### General Education

**42-47 credits required**

#### A. Communication Skills **8 credits**

|           |                                                          |   |
|-----------|----------------------------------------------------------|---|
| ENGL-101  | Freshman English – Composition <i>or</i>                 |   |
| ENGL-111  | Freshman English – Honors I .....                        | 3 |
| ENGL-102  | Freshman English – Reading and Related Writing <i>or</i> |   |
| ENGL-112  | Freshman English – Honors II .....                       | 3 |
| SPCOM-100 | Fundamentals of Speech .....                             | 2 |

#### B. Analytic Reasoning **7-10 credits**

|          |                                           |     |
|----------|-------------------------------------------|-----|
| MATH-153 | Calculus <i>or</i>                        |     |
| MATH-156 | Calculus and Analytical Geometry I .....  | 4-5 |
| STAT-320 | Statistical Methods <i>or</i>             |     |
| MATH-154 | Calculus II <i>or</i>                     |     |
| MATH-157 | Calculus and Analytical Geometry II ..... | 3-5 |

#### C. Health and Physical Education **2 credits**

*Courses must be from areas of health, physical education or nutrition.*

#### D. Humanities and the Arts **9 credits**

|                                                                                                                                                                                         |                      |   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|---|
| PHIL-235                                                                                                                                                                                | General Ethics ..... | 3 |
| <i>Remaining courses must be from two other areas including art history, creative arts, foreign language and culture, history, literature, music appreciation, and performing arts.</i> |                      |   |

#### E. Social and Behavioral Sciences **9 credits**

*Courses must be from three or more areas including anthropology, economics, geography, political science, psychology and sociology.*

#### F. Natural Sciences (with Lab) **5 credits**

|          |                           |   |
|----------|---------------------------|---|
| CHEM-135 | College Chemistry I ..... | 5 |
|----------|---------------------------|---|

#### G. Technology **2 credits**

#### H. General Education Electives **0-2 credits**

## Major Studies

### 37-41 credits required

Specific course selection is determined by concentration requirements. See your program director.

|          |                                                               |   |
|----------|---------------------------------------------------------------|---|
| ENGL-415 | Technical Writing .....                                       | 3 |
| BIO-136  | College Molecular Cell Biology I .....                        | 5 |
| STAT-320 | Statistical Methods (if not taken as General Education) ..... | 3 |
| APSC-311 | Issues for Scientific Professionals .....                     | 3 |
| APSC-201 | Applied Science Profession I .....                            | 1 |
| APSC-401 | Applied Science Profession II .....                           | 1 |

Choose the appropriate course sequence, depending on concentration:

|          |                                |    |
|----------|--------------------------------|----|
| BIO-101  | Introductory Biology and ..... |    |
| BIO-150  | Environmental Science .....    | 6  |
| BIO-135  | Organismal Biology and .....   |    |
| CHEM-136 | College Chemistry II .....     | 10 |

Choose the appropriate Chemistry course sequence, depending on concentration:

|          |                                         |   |
|----------|-----------------------------------------|---|
| CHEM-335 | Instrumental Methods and Analysis ..... | 3 |
| CHEM-204 | Organic Chemistry II Lecture and .....  |   |
| CHEM-206 | Organic Chemistry II Lab .....          | 4 |
| CHEM-331 | Quantitative Analysis or .....          |   |
| CHEM-412 | Advanced Biochemistry .....             | 3 |

Choose the appropriate Physics courses, depending on concentration:

|          |                                |    |
|----------|--------------------------------|----|
| PHYS-281 | University Physics I and ..... |    |
| PHYS-282 | University Physics II .....    | 10 |
| PHYS-241 | College Physics I and .....    |    |
| PHYS-242 | College Physics II .....       | 10 |

Choose a minor that is not Chemistry, Biology, or Physics and complete a 1-credit independent study, cooperative education experience, or field experience for the degree without a concentration; or choose one of the following concentrations:

## Concentrations

36-44 Credits

### Biotechnology

44 credits

|          |                                                                         |     |
|----------|-------------------------------------------------------------------------|-----|
| BIO-235  | Molecular Cell Biology II .....                                         | 4   |
| BIO-370  | Biotechnology .....                                                     | 3   |
| BIO-400  | Special Topics: Biotechnology .....                                     | 1-2 |
| BIO-470  | Advanced Biotechnology .....                                            | 5   |
| BIO-489  | Advanced Biology Experience .....                                       | 1   |
| CHEM-201 | Organic Chemistry I .....                                               | 4   |
| CHEM-311 | Biochemistry .....                                                      | 4   |
| STAT-320 | Statistical Methods or .....                                            |     |
| MATH-154 | Calculus II or higher (whichever was not taken as General Education) .. | 3-4 |
| APSC-499 | Independent Study or .....                                              |     |
| APSC-X49 | Cooperative Education Experience or .....                               |     |
| APSC-X98 | Field Experience .....                                                  | 1   |

### Electives (12 credits)

Take any UW-Stout biology or chemistry course, 200-level or higher, or any UW-River Falls biotechnology course.

## Materials Science

40-42

|          |                                                  |     |
|----------|--------------------------------------------------|-----|
| MATH-250 | Differential Equations or .....                  |     |
| MATH-255 | Differential Equations with Linear Algebra ..... | 3   |
| CHEM-201 | Organic Chemistry I .....                        | 4   |
| CHEM-301 | Physical Chemistry .....                         | 3   |
| CHEM-303 | Physical Chemistry Laboratory .....              | 1   |
| CHEM-325 | Chemistry of Polymers .....                      | 3   |
| CHEM-341 | Materials Science I .....                        | 4   |
| CHEM-440 | Advanced Materials Laboratory .....              | 3   |
| CHEM-470 | Materials Science II .....                       | 3   |
| ELEC-281 | Circuits, Devices and Logic or .....             |     |
| ELEC-272 | Solid State Electronics or .....                 |     |
| ELEC-290 | Circuits and Devices .....                       | 3_4 |
| MFGE-352 | Polymer Processes .....                          | 3   |
| MFGT-253 | Joining and Casting Processes .....              | 3   |
| PHYS-321 | Statics and Strength of Materials or .....       |     |
| PHYS-325 | Strength of Materials .....                      | 3_4 |
| PHYS-327 | Solid State Physics .....                        | 3   |
| APSC-X49 | Cooperative Education or .....                   |     |
| APSC-X98 | Field Experience .....                           | 1   |

## Nanoscience

36

|          |                                      |   |
|----------|--------------------------------------|---|
| BIO-370  | Biotechnology .....                  | 3 |
| CHEM-201 | Organic Chemistry .....              | 4 |
| CHEM-301 | Physical Chemistry .....             | 3 |
| CHEM-303 | Physical Chemistry Laboratory .....  | 1 |
| CHEM-341 | Chemistry of Materials I .....       | 4 |
| NANO-XXX | Introduction to Nanotechnology ..... | 2 |
| NANO-XXX | Nano-Structures .....                | 3 |
| NANO-XXX | Nano-Characterization Methods .....  | 3 |
| NANO-XXX | Applications of Nanotechnology ..... | 3 |
| APSC-X49 | Cooperative Education or .....       |   |
| APSC-X98 | Field Experience .....               | 1 |

Choose 9 credits from the following courses:

|          |                                     |   |
|----------|-------------------------------------|---|
| CHEM-204 | Organic Chemistry II .....          | 3 |
| CHEM-325 | Chemistry of Polymers .....         | 3 |
| CHEM-440 | Advanced Materials Laboratory ..... | 3 |
| CHEM-470 | Chemistry of Materials II .....     | 3 |
| ELEC-290 | Circuits and Devices .....          | 4 |
| MFGE-352 | Polymer Processes .....             | 3 |
| MFGT-253 | Joining and Casting Processes ..... | 3 |

## Program Requirements for the Science Education Concentration

*Leads to Wisconsin 601 Licensure in Broadfield Science*

|                                  |                 |
|----------------------------------|-----------------|
| Total for graduation .....       | 125-126 credits |
| General Education .....          | 42 credits      |
| Physical and Life Sciences ..... | 42-43 credits   |
| Education .....                  | 41 credits      |

## Program Requirements

### General Education

**42 credits required**

#### A. Communication Skills **8 credits**

|           |                                                        |   |
|-----------|--------------------------------------------------------|---|
| ENGL-101  | Freshman English Composition <i>or</i>                 |   |
| ENGL-111  | Freshman English Honors I .....                        | 3 |
| ENGL-102  | Freshman English Reading and Related Writing <i>or</i> |   |
| ENGL-112  | Freshman English Honors II .....                       | 3 |
| SPCOM-100 | Fundamentals of Speech .....                           | 2 |

#### B. Analytic Reasoning **7 credits**

|          |                           |   |
|----------|---------------------------|---|
| MATH-153 | Calculus .....            | 4 |
| STAT-320 | Statistical Methods ..... | 3 |

#### C. Health and Physical Education **2 credits**

*Courses must be from areas of health, physical education or nutrition.*

#### D. Humanities and the Arts **9 credits**

|          |                                       |     |
|----------|---------------------------------------|-----|
| LIT-XXX  | Any literature course .....           | 3   |
| HIST-210 | Modern World .....                    | 3   |
| XXX-XXX  | Any creative or performing arts ..... | 1-3 |

*Remaining courses must be from any of the humanities and the arts.*

#### E. Social and Behavioral Sciences **9 credits**

|          |                           |   |
|----------|---------------------------|---|
| POLS-210 | American Government ..... | 3 |
| PSYC-110 | General Psychology .....  | 3 |

*Remaining courses must be from areas of anthropology, economics, geography, political science, psychology or sociology.*

#### F. Natural Sciences (with Lab) **5 credits**

|          |                           |   |
|----------|---------------------------|---|
| CHEM-135 | College Chemistry I ..... | 5 |
|----------|---------------------------|---|

#### G. Technology **2 credits**

### Major Studies

**83-44 credits required**

#### Physical and Life Sciences **42-43 credits**

|          |                                            |     |
|----------|--------------------------------------------|-----|
| BIO-111  | Science, Society and the Environment ..... | 4   |
| BIO-135  | Organismal Biology .....                   | 5   |
| BIO-136  | Molecular Cell Biology .....               | 4   |
| BIO-210  | Concepts and Issues in Biotechnology ..... | 2   |
| CHEM-201 | Organic Chemistry I <i>or</i>              |     |
| CHEM-331 | Quantitative Analysis .....                | 3-4 |
| CHEM-353 | Environmental Chemistry .....              | 3   |
| CHEM-341 | Chemistry of Materials .....               | 4   |
| PHYS-241 | College Physics I .....                    | 5   |
| PHYS-242 | College Physics II .....                   | 5   |
| PHYS-255 | Meteorology .....                          | 2   |
| PHYS-258 | Introduction to Geology .....              | 2   |
| PHYS-151 | Astronomy .....                            | 3   |

#### Education **41 credits**

|           |                                                    |    |
|-----------|----------------------------------------------------|----|
| EDUC-303  | Educational Psychology .....                       | 3  |
| EDUC-326  | Foundations of Education .....                     | 2  |
| EDUC-336  | Multiculturalism: Issues and Perspectives .....    | 2  |
| EDUC-376  | Cross-Cultural Experience .....                    | 1  |
| EDUC-382  | Secondary Reading and Language Development .....   | 2  |
| EDUC-415  | Classroom Management .....                         | 2  |
| SPED-430  | Inclusion of Students with Exceptional Needs ..... | 3  |
| SCIED-101 | Introduction to Science Education .....            | 2  |
| SCIED-301 | Science Education Methods .....                    | 3  |
| SCIED-360 | Science Education Curriculum/Assessment .....      | 3  |
| SCIED-401 | Capstone: Science Education .....                  | 2  |
| SCIED-409 | Student Teaching – Science Education .....         | 16 |

# Art Education

## Introduction

The Art Education program provides students with experience in liberal studies, art history, studio art and professional education. It is a Bachelor of Science degree program that prepares students for certification by the Department of Public Instruction for teaching art in elementary and secondary schools. An understanding of general studies, art history, the present status of art and the educational environment, with an inquisitive approach toward problem solving, will move students to a professional level. Experienced art and design faculty ensure current course content and serve as advisers for students. Preteaching observation, presented at the sophomore level, provides students an early involvement in elementary and secondary schools. A required mid-program review offers students an overview of their progress. Extensive library resources and the art and design department visual resource center are significant assets. Foreign study opportunities allow students variety in cultural experiences. An optional 11 credit additional concentration in Adaptive Education is available.

Students are admitted initially as Pre-Art Education majors. To be fully admitted into the Art Education major, students must:

- Complete ARTED-108 Introduction to Art Education
- Complete EDUC-326 Foundations of Education
- Have a cumulative grade point average of 2.75 at or before 40 credits have been earned
- Pass the Pre-Professional Skills Test (PPST)
- Pass the required teacher background check
- Receive a "C" or better in English, speech, and program requirements
- Complete the General Education Technology requirement

## General Requirements

### Bachelor of Science Degree

|                            |             |
|----------------------------|-------------|
| Total for graduation ..... | 135 credits |
| General Education .....    | 42 credits  |
| Major Studies .....        | 93 credits  |

A mid-program portfolio review and a screening for continuation in the Art Education program are required for graduation. Before student teaching, students must have a minimum overall grade point average of 2.75, successfully completed the standardized content examination required by the Wisconsin Department of Public Instruction, compiled a professional education portfolio and be fully admitted from pre-Art Education status to the Art Education program. Students present an exhibition of their work during one semester of their senior year (*not during the semester of student teaching*). Students must achieve a minimum grade of "C" (2.0) or better in each class, achieve a 2.75 grade point average in all art, art education, art history, design, and professional education courses, and successfully complete student teaching at both primary and secondary levels before graduation.

## Program Requirements

### General Education

**42 credits required**

#### A. Communication Skills

**8 credits**

*A grade of "C" or better is required in English and speech.*

|           |                                                   |   |
|-----------|---------------------------------------------------|---|
| ENGL-101  | Freshman English – Composition or                 |   |
| ENGL-111  | Freshman English – Honors I .....                 | 3 |
| ENGL-102  | Freshman English – Reading and Related Writing or |   |
| ENGL-112  | Freshman English – Honors II .....                | 3 |
| SPCOM-100 | Fundamentals of Speech .....                      | 2 |

#### B. Analytic Reasoning

**6 credits**

MATH-XXX *Any Mathematics from the approved General Education list ... 4*  
*Remaining courses must be from areas including math, logic, statistics and computer science.*

#### C. Health and Physical Education

**2 credits**

*Courses must be from areas of health, physical education or nutrition.*

#### D. Humanities and the Arts

**9 credits**

|           |                              |   |
|-----------|------------------------------|---|
| MEDIA-304 | Elementary Photography ..... | 3 |
| LIT-XXX   | Any Literature .....         | 3 |

*A remaining course must be from one of the following areas: foreign language and culture, history, music appreciation or philosophy. Either HIST-210 Modern World must be taken under this category or ANTH-220 Cultural Anthropology must be taken under Category E.*

#### E. Social and Behavioral Sciences

**9 credits**

|          |                           |   |
|----------|---------------------------|---|
| POLS-210 | American Government ..... | 3 |
| PSYC-110 | General Psychology .....  | 3 |

*A remaining course must be from one of the following areas: anthropology, economics, geography or sociology. See previous note under category D.*

#### F. Natural Sciences (with Lab)

**4 credits**

*Choose a biology course, and either a chemistry or physics course.*

#### G. Technology

**2 credits**

#### H. General Education Electives

**2 credits**

*Courses must come from categories A, B, D, E and F.*

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## Major Studies

**93 credits with a grade of "C" or better in each course is required.**

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### Art and Design Requirements 33 credits

|         |                              |     |
|---------|------------------------------|-----|
| ART-100 | Drawing I .....              | 3   |
| ART-101 | Fundamentals of Design ..... | 3   |
| ART-145 | The Practice of Art .....    | 2   |
| ART-200 | Drawing II .....             | 1-3 |
| ART-209 | Painting I .....             | 3   |
| ART-211 | Sculpture I .....            | 3   |
| ART-213 | Ceramics I .....             | 3   |
| ART-215 | Art Metal I .....            | 3   |
| ART-217 | Printmaking I .....          | 3   |
| ART-445 | Senior Seminar .....         | 1   |
| ART-407 | Aesthetics .....             | 3   |
| DES-220 | Computer Imagery .....       | 3   |

### Studio Selective 3 credits

*Select studio course from art metals, ceramics, drawing, life drawing, painting, printmaking, sculpture, graphic, industrial, multimedia, or interior design courses. Course selected may not be from the focus area.*

### Advanced Studio Selectives 6 credits

*Select two additional studio courses from one area: art metal, ceramics, drawing, painting, printmaking, or sculpture.*

### Art History Requirements 12 credits

|          |                                                        |   |
|----------|--------------------------------------------------------|---|
| ARTH-223 | Survey of Art – Ancient through Medieval .....         | 3 |
| ARTH-224 | Survey of Art – Renaissance through 20th Century ..... | 3 |
| ARTH-319 | Evolution of Design .....                              | 3 |

*Select 1 additional 20th century or non-Western art history course from the following:*

|          |                                  |   |
|----------|----------------------------------|---|
| ARTH-336 | Modern Art .....                 | 3 |
| ARTH-337 | Art Since 1950 .....             | 3 |
| ARTH-228 | Oriental Art .....               | 3 |
| ARTH-XXX | Other, approved by advisor ..... | 3 |

### Professional Education Requirements 39 credits

*Students must be fully admitted into the Art Education program to enroll in courses marked with an asterisk (\*).*

|           |                                                          |   |
|-----------|----------------------------------------------------------|---|
| ARTED-108 | Introduction to Art Education .....                      | 2 |
| ARTED-208 | Preteaching Observation ( <i>Sophomore Year</i> ) .....  | 2 |
| ARTED-308 | Art Education Curriculum, Methods, and Assessment* ..... | 4 |
| EDUC-303  | Educational Psychology* .....                            | 3 |
| EDUC-326  | Foundations of Education .....                           | 2 |
| EDUC-336  | Multiculturalism: Issues and Perspectives* .....         | 2 |
| EDUC-376  | Field Experience – Cross Cultural Experience* .....      | 1 |
| EDUC-382  | Secondary Reading and Language Development* .....        | 2 |
| EDUC-XXX  | Classroom Management* .....                              | 2 |
| SPED-430  | Inclusion of Students With Exceptional Needs* .....      | 3 |

*Select one of the following options:*

#### Option 1

|           |                                                        |   |
|-----------|--------------------------------------------------------|---|
| ARTED-408 | Student Teaching in the Elementary School – Art* ..... | 8 |
| ARTED-409 | Student Teaching in the Secondary School – Art* .....  | 8 |

#### Option 2

|           |                   |    |
|-----------|-------------------|----|
| ARTED-XXX | Internship* ..... | 16 |
|-----------|-------------------|----|



# Art

## Introduction

The Bachelor of Fine Arts in Art offers study in Studio Art or concentrations in Industrial Design, Interior Design, Graphic Design or Multimedia Design. The curriculum provides students with experiences in studio work, art history, professional studies and general studies. An understanding of liberal studies, art history, the present status of art and design, and an inquisitive attitude toward experimentation in problem-solving will move students to a professional level in studio art or in their selected concentration. Experienced art and design faculty ensure current course content and serve as advisers to the students in respective areas. A required midprogram portfolio review offers students an overview of their progress. Extensive library resources and the art and design department visual resource center are significant assets. Foreign study opportunities allow students variety in cultural experiences. Internship and cooperative education opportunities supplement educational theory and practice in a setting with working professionals. A 2.5 grade point average and a 2.0 or better in art and design department courses is required to complete this Bachelor of Fine Arts degree. Those who choose major studies in Studio Art must present an exhibition of their work during their senior year. All students who concentrate in design must present a portfolio of their work in the final semester.

## General Requirements

### Bachelor of Fine Arts Degree

|                                    |             |
|------------------------------------|-------------|
| Total for graduation .....         | 124 credits |
| General Education .....            | 42 credits  |
| Major Studies .....                | 18 credits  |
| Concentrations or Studio Art ..... | 64 credits  |

## Program Requirements

### General Education

42 credits required

#### A. Communication Skills

8 credits

|           |                                                          |   |
|-----------|----------------------------------------------------------|---|
| ENGL-101  | Freshman English – Composition <i>or</i>                 |   |
| ENGL-111  | Freshman English – Honors I .....                        | 3 |
| ENGL-102  | Freshman English – Reading and Related Writing <i>or</i> |   |
| ENGL-112  | Freshman English – Honors II <i>or</i>                   |   |
| ENGL-113  | Honors Seminar I .....                                   | 3 |
| SPCOM-100 | Fundamentals of Speech .....                             | 2 |

#### B. Analytic Reasoning

6 credits

*Courses must be from areas including math, logic, statistics and computer science.*

#### C. Health and Physical Education

2 credits

*Courses must be from areas of health, physical education or nutrition.*

#### D. Humanities and the Arts

9 credits

*Courses must be from three or more areas including creative arts (excluding courses with ART, ARTH, or DES prefixes) foreign language and culture, history, literature, music appreciation, performing arts and philosophy.*

#### E. Social and Behavioral Sciences

9 credits

*Courses must be from three or more areas including anthropology, economics, geography, political science, psychology and sociology.*

#### F. Natural Sciences (with Lab)

4 credits

#### G. Technology

2 credits

#### H. General Education Electives

2 credits

*Courses must come from categories A, B, D, E and F.*

### Major Studies

18 credits required

|          |                                                        |   |
|----------|--------------------------------------------------------|---|
| ART-100  | Drawing I .....                                        | 3 |
| ART-101  | Fundamentals of Design .....                           | 3 |
| ART-103  | Design .....                                           | 3 |
| ART-200  | Drawing II .....                                       | 3 |
| ARTH-223 | Survey of Art - Ancient through Medieval .....         | 3 |
| ARTH-224 | Survey of Art - Renaissance through 20th Century ..... | 3 |



## Studio Art

### 64 credits required

The student may complete the following sequence of courses in studio art to complete the art degree without concentration or select a concentration in graphic design, industrial design, interior design, or multimedia design.

#### Studio and Related Requirements (40 credits)

|           |                                                              |   |
|-----------|--------------------------------------------------------------|---|
| ART-145   | The Practice of Art .....                                    | 3 |
| ART-301   | Life Drawing I .....                                         | 3 |
| ART-209   | Painting I .....                                             | 3 |
| ART-211   | Sculpture I .....                                            | 3 |
| ART-213   | Ceramics I .....                                             | 3 |
| ART-215   | Art Metal I .....                                            | 3 |
| ART-217   | Printmaking I .....                                          | 3 |
| ART-445   | Senior Seminar .....                                         | 1 |
| ART-407   | Aesthetics .....                                             | 3 |
| ARTH-XXX  | Three additional Art History courses (except ARTH-222) ..... | 9 |
|           | One must be a modern art history.                            |   |
| DES-220   | Computer Imagery .....                                       | 3 |
| MEDIA-204 | Exploring Photography .....                                  | 3 |

#### Studio Emphasis (15 credits)

Choose additional advanced experiences, totaling at least 15 credits, from a single studio area. Emphases include Art Metals, Ceramics, Drawing, Painting, Printmaking, and Sculpture.

#### Art Studio Selectives (9 credits)

Six credits must be from outside the studio emphasis, and no more than six credits from DES courses.

## Definitions

UW-Stout offers a degree program and a concentration that are similar in name. "Graphic Design" (a concentration in the BFA in Art program) and "Graphic Communications Management" (a separate B.S. degree) are different, and offer students a choice of two professional areas.

**Graphic Design** encompasses all verbal and visual information produced for commercial reproduction. The graphic designer creates, selects and organizes elements to be reproduced in both print and nonprint formats. The purpose of graphic design is visual communication in a form that is attractive and easily understood. Print materials, exhibition design, video graphics, package design, signage, and corporate identification are examples of work produced by the graphic designer.

**Graphic Communications Management** prepares supervisors and managers for the printing and publishing industry. Graphic communications managers work with other industry professionals to make decisions on design, estimating, materials, production planning, scheduling and quality control of all types of printed products and materials. Graphic communications managers need an understanding of the printing and publishing processes, including prepress, press and postpress systems.

## Concentrations

### 64 credits required

#### Graphic Design

64 credits

##### Studio and Related Requirements (28 credits)

|         |                                              |   |
|---------|----------------------------------------------|---|
| ART-217 | Printmaking I (serigraphy recommended) ..... | 3 |
| DES-200 | Design Theory and Methods .....              | 3 |
| DES-210 | Letter Form Design .....                     | 3 |
| DES-220 | Computer Imagery .....                       | 3 |
| DES-205 | Presentation Techniques .....                | 3 |
| DES-310 | Graphic Design I .....                       | 3 |
| DES-325 | Advanced Computer Imagery .....              | 3 |
| DES-360 | Graphic Design II .....                      | 3 |
| DES-480 | Senior Project – Graphic Design .....        | 4 |

##### Design Studio Selectives (6 Credits)

Choose one of the following:

|         |                                      |   |
|---------|--------------------------------------|---|
| DES-380 | Signage and Exhibition Design .....  | 3 |
| DES-410 | Product and Packaging Graphics ..... | 3 |

and one of the following:

|         |                                             |   |
|---------|---------------------------------------------|---|
| DES-382 | Information Design .....                    | 3 |
| DES-384 | Advertising Design .....                    | 3 |
| DES-386 | Publication Design .....                    | 3 |
| DES-388 | Typographic Design .....                    | 3 |
| XXX-XXX | Other courses approved by program director. |   |

##### Art Studio Selectives (12 Credits)

Select 6 credits from sculpture, ceramics, or art metal (3D) and 6 credits from painting, drawing, or life drawing (2D) from the following:

|         |                                                          |     |
|---------|----------------------------------------------------------|-----|
| ART-200 | Drawing II (repeatable) .....                            | 3   |
| ART-301 | Life Drawing I .....                                     | 3   |
| ART-209 | Painting I .....                                         | 3   |
| ART-409 | Painting II .....                                        | 3   |
| ART-211 | Sculpture I .....                                        | 3   |
| ART-411 | Sculpture II .....                                       | 3   |
| ART-213 | Ceramics I .....                                         | 3   |
| ART-413 | Ceramics II .....                                        | 3   |
| ART-215 | Art Metal I .....                                        | 3   |
| ART-415 | Art Metal II .....                                       | 3   |
| ART-217 | Printmaking I .....                                      | 3   |
| ART-417 | Printmaking II .....                                     | 3   |
| XXX-XXX | Other ART/DES courses approved by program director ..... | 1-3 |

##### Additional Art History Requirements (6 Credits)

|          |                                         |   |
|----------|-----------------------------------------|---|
| ARTH-319 | Evolution of Design .....               | 3 |
| ARTH-XXX | Any Art History (except ARTH-222) ..... | 3 |

##### Technical Requirements (11 Credits)

|           |                                                    |   |
|-----------|----------------------------------------------------|---|
| GCM-141   | Graphic Communications/Electronic Publishing ..... | 3 |
| GCM-356   | Color Electronic Pre-Press .....                   | 3 |
| MEDIA-204 | Exploring Photography .....                        | 3 |
| XXX-XXX   | Other courses approved by adviser.                 |   |

##### Elective (1 credit)

## Industrial Design

64 credits

### Studio and Related Requirements (34 credits)

|         |                                  |   |
|---------|----------------------------------|---|
| ART-211 | Sculpture I .....                | 3 |
| DES-200 | Design Theory and Methods .....  | 3 |
| DES-205 | Presentation Techniques .....    | 3 |
| DES-220 | Computer Imagery .....           | 3 |
| DES-310 | Graphic Design I .....           | 3 |
| DES-XXX | Product Form Design .....        | 3 |
| DES-XXX | Body and Form Interface .....    | 3 |
| DES-XXX | Form and Function .....          | 3 |
| DES-XXX | Advanced Form and Function ..... | 3 |
| DES-XXX | Professional Practice .....      | 1 |
| DES-XXX | System and Context .....         | 3 |
| DES-XXX | Theory and Application .....     | 3 |

### Art Studio Selectives (12 credits)

|         |                                                         |     |
|---------|---------------------------------------------------------|-----|
| ART-200 | Drawing II ( <i>repeatable</i> ) .....                  | 3   |
| ART-301 | Life Drawing I .....                                    | 3   |
| ART-209 | Painting I .....                                        | 3   |
| ART-409 | Painting II .....                                       | 3   |
| ART-411 | Sculpture II .....                                      | 3   |
| ART-213 | Ceramics I .....                                        | 3   |
| ART-413 | Ceramics II .....                                       | 3   |
| ART-215 | Art Metal I .....                                       | 3   |
| ART-415 | Art Metal II .....                                      | 3   |
| ART-217 | Printmaking I .....                                     | 3   |
| ART-417 | Printmaking II .....                                    | 3   |
| DES-405 | Advanced Presentation Techniques for Designers .....    | 3   |
| XXX-XXX | <i>Other courses approved by program director</i> ..... | 1-3 |

### Additional Art History Requirements (6 credits)

|          |                                                |   |
|----------|------------------------------------------------|---|
| ARTH-319 | Evolution of Design .....                      | 3 |
| ARTH-XXX | <i>Any Art History (except ARTH-222)</i> ..... | 3 |

### Technical Requirements (12 credits)

|          |                                             |   |
|----------|---------------------------------------------|---|
| MFGT-110 | Materials and Manufacturing Processes ..... | 3 |
| MFGT-202 | Welding and Casting Processes <i>or</i>     |   |
| MFGT-204 | Polymer Processes .....                     | 3 |
| CADD-112 | Principles of Engineering Drawing .....     | 3 |
| CADD-466 | 3D Computer Modeling and Rendering .....    | 3 |

## Definitions

UW-Stout offers two concentrations that are similar in name. "Interior Design" (B.F.A. in Art) and "Interior Decorating" (B.S. in Retail Merchandising and Management) are different, and offer students a choice of two professional areas.

**Interior designers** produce functional and meaningful interior environments (*residential, commercial and public spaces*) by integrating human factors, art and design concepts, space planning, knowledge of architecture, building construction, codes, specifications, materials and furnishings.

The interior design concentration prepares graduates to solve interior design problems, including the initial design and re-modeling of structures as part of an architectural design team or as a consultant.

**Interior decorators** furnish and accessorize existing or planned spaces using knowledge of color, fabrications, interior decoratives and furniture, fixtures and equipment to accommodate each client's individual taste.

The interior decorating concentration in the Retail Merchandising and Management program provides graduates with business and decorating skills to enter the marketplace in retailing, interiors studios, or their own business, including consulting.

**Interior Design 64 credits****Studio and Related Requirements (31 credits)**

|         |                                        |   |
|---------|----------------------------------------|---|
| DES-200 | Design Theory and Methods .....        | 3 |
| DES-205 | Presentation Techniques .....          | 3 |
| DES-220 | Computer Imagery .....                 | 3 |
| DES-303 | Interior Design .....                  | 3 |
| DES-304 | Interior Design II .....               | 3 |
| DES-308 | Lighting Design .....                  | 3 |
| DES-314 | Interior Specifications I .....        | 3 |
| DES-414 | Interior Specifications II .....       | 3 |
| DES-415 | Environmental Interior Design I .....  | 3 |
| DES-416 | Environmental Interior Design II ..... | 4 |

**Art Studio Selectives (12 credits)**

|         |                                                          |     |
|---------|----------------------------------------------------------|-----|
| ART-200 | Drawing II (repeatable).....                             | 3   |
| ART-301 | Life Drawing I .....                                     | 3   |
| ART-209 | Painting I .....                                         | 3   |
| ART-409 | Painting II .....                                        | 3   |
| ART-211 | Sculpture I .....                                        | 3   |
| ART-411 | Sculpture II .....                                       | 3   |
| ART-213 | Ceramics I .....                                         | 3   |
| ART-413 | Ceramics II .....                                        | 3   |
| ART-215 | Art Metal I .....                                        | 3   |
| ART-415 | Art Metal II .....                                       | 3   |
| ART-217 | Printmaking I .....                                      | 3   |
| ART-417 | Printmaking II .....                                     | 3   |
| DES-320 | Interior Furniture Design .....                          | 3   |
| DES-405 | Advanced Presentation Techniques for Designers .....     | 3   |
| XXX-XXX | Other ART/DES courses approved by program director ..... | 1-3 |

**Additional Art History Requirements (6 credits)**

|          |                           |   |
|----------|---------------------------|---|
| ARTH-319 | Evolution of Design ..... | 3 |
| ARTH-333 | Period Furnishings .....  | 3 |

**Technical Requirements (14 credits)**

|          |                                                |   |
|----------|------------------------------------------------|---|
| AEC-131  | Architectural Graphics .....                   | 3 |
| AEC-171  | Light Construction Methods and Materials ..... | 3 |
| AEC-233  | Architectural Design I .....                   | 3 |
| CADD-234 | Computer Assisted Design and Drafting .....    | 2 |
| APRL-140 | Textiles or .....                              |   |
| APRL-145 | Interior Decorating/Design Textiles .....      | 3 |

**Electives (1 credit)****Multimedia Design 64 credits****Studio and Related Requirements (25 credits)**

|         |                                        |   |
|---------|----------------------------------------|---|
| DES-200 | Design Theory and Methods .....        | 3 |
| DES-220 | Computer Imagery .....                 | 3 |
| DES-310 | Graphic Design I .....                 | 3 |
| DES-360 | Graphic Design II .....                | 3 |
| DES-325 | Advanced Computer Imagery .....        | 3 |
| DES-370 | Interface Design .....                 | 3 |
| DES-372 | 3D Modeling and Animation .....        | 3 |
| DES-490 | Senior Project-Multimedia Design ..... | 4 |

**Design Studio Selectives (9 credits)**

|         |                                          |   |
|---------|------------------------------------------|---|
| DES-205 | Presentation Techniques .....            | 3 |
| DES-377 | Interactive Digital Content Design ..... | 3 |
| DES-383 | Digital Characters .....                 | 3 |
| DES-384 | Digital Environment .....                | 3 |
| DES-385 | Interactive Digital Design .....         | 3 |

**Art Studio Selectives (12 credits)**

|         |                                            |   |
|---------|--------------------------------------------|---|
| ART-200 | Drawing II (repeatable).....               | 3 |
| ART-301 | Life Drawing I .....                       | 3 |
| ART-209 | Painting I .....                           | 3 |
| ART-409 | Painting II .....                          | 3 |
| ART-211 | Sculpture I .....                          | 3 |
| ART-411 | Sculpture II .....                         | 3 |
| ART-213 | Ceramics I .....                           | 3 |
| ART-413 | Ceramics II .....                          | 3 |
| ART-215 | Art Metal I .....                          | 3 |
| ART-415 | Art Metal II .....                         | 3 |
| ART-217 | Printmaking I .....                        | 3 |
| ART-417 | Printmaking II .....                       | 3 |
| XXX-XXX | Other ART/DES courses approved by adviser. |   |

**Additional Art History Requirements (6 credits)**

|          |                                         |   |
|----------|-----------------------------------------|---|
| ARTH-319 | Evolution of Design .....               | 3 |
| ARTH-XXX | Any Art History (except ARTH-222) ..... | 3 |

**Technical Requirements (12 credits)**

|           |                                              |     |
|-----------|----------------------------------------------|-----|
| CS-142    | Computer Programming for Multimedia I .....  | 3   |
| CS-143    | Computer Programming for Multimedia II ..... | 3   |
| MEDIA-204 | Exploring Photography .....                  | 2-3 |
| MEDIA-430 | Audio/Film Production Fundamentals .....     | 3   |

# Career, Technical Education and Training

Michael Galloy, Program Director, 148 Communication Technologies Building, 715/232-2163

## Introduction

This program prepares teachers for post-high school settings such as junior colleges, public and private technical colleges, and industrial training programs.

A student must obtain a minimum of 2,000 hours of appropriate work experience for provisional certification to teach vocational, technical and adult courses in Wisconsin technical colleges.

Students must make applications for admission to the education sequence. Candidates must hold a cumulative grade point average of at least 2.75.

**Articulation Agreement** There is an approved articulation agreement for this program with all of the Wisconsin Technical Colleges. The articulation agreement covers all Associate of Applied Art and Associate of Applied Science programs.

## General Requirements

### Bachelor of Science Degree

|                            |             |
|----------------------------|-------------|
| Total for graduation ..... | 124 credits |
| General Education .....    | 42 credits  |
| Major Studies .....        | 75 credits  |
| Electives .....            | 7 credits   |

## Program Requirements

### General Education

**42 credits required**

#### A. Communication Skills **8 credits**

|                                                            |   |
|------------------------------------------------------------|---|
| ENGL-101 Freshman English – Composition or                 |   |
| ENGL-111 Freshman English – Honors I .....                 | 3 |
| ENGL-102 Freshman English – Reading and Related Writing or |   |
| ENGL-112 Freshman English – Honors II .....                | 3 |
| SPCOM-100 Fundamentals of Speech .....                     | 2 |

#### B. Analytic Reasoning **6 credits**

*Courses must be from areas including math, logic, statistics and computer science.*

#### C. Health and Physical Education **2 credits**

*Courses must be from areas of health, physical education or nutrition.*

#### D. Humanities and the Arts **9 credits**

*Courses must be from three or more areas including art history, creative arts, foreign language and culture, history, literature, music appreciation, performing arts and philosophy.*

#### E. Social and Behavioral Sciences **9 credits**

|                                   |   |
|-----------------------------------|---|
| PSYC-110 General Psychology ..... | 3 |
|-----------------------------------|---|

*Remaining courses must be from three or more areas including anthropology, economics, geography, political science, psychology and sociology.*

#### F. Natural Sciences (with Lab) **4 credits**

#### G. Technology **2 credits**

#### H. General Education Electives **2 credits**

*Courses must come from categories A, B, D, E and F.*

## Major Studies

**75 credits required**

### Technical

**40 Credits**

*Because each student brings different qualifications as a result of prior training and experience, the student, with the assistance of the program director, will define all 40 technical credits in terms of student and job competency needs.*

### Professional Education

**35 Credits**

|                                                                        |     |
|------------------------------------------------------------------------|-----|
| MEDIA-360 Introduction to Media in Education and Training .....        | 2   |
| INMGT-400 Organizational Leadership or                                 |     |
| PSYC-382 Human Resource Management .....                               | 3   |
| TECED-205 Teaching Methods – Technology/Vocational Education** .....   | 2   |
| TECED-405 Curriculum Technology/Vocational Education** .....           | 2   |
| TECED-406 Evaluation in Technology/Vocational Education** .....        | 2   |
| TECED-408 Student Teaching – Technology/Vocational Education or        |     |
| TRHRD-389 Training Internship .....                                    | 2-8 |
| TRHRD-360 Training Systems in Business and Industry .....              | 3   |
| VTAE-302 Principles of Vocational, Technical and Adult Education ..... | 2   |
| VTAE-334 Task Analysis .....                                           | 2   |
| VTAE-474 Adult Education .....                                         | 2   |
| SCOUN-301 Introduction to Guidance** .....                             | 2   |
| EDUC-336 Multiculturalism: Issues and Perspectives** .....             | 2   |
| EDUC-400 Educational Psychology for the Adult Learner .....            | 2   |

*\*\* Course content is mandated for Vocational, Technical and Adult Education certification.*

## Electives

**7 credits required**

# Construction

## Introduction

The Construction program is designed to prepare individuals for a variety of responsible positions in the field of construction.

Broad objectives of the program include developing fundamental knowledge of science, engineering, business, management, architecture and construction principles; applying scientific, technological and management principles to the solution of construction problems; and integrating diverse scientific and technical areas as they impact on the construction field.

## General Requirements

### Bachelor of Science Degree

|                                       |             |
|---------------------------------------|-------------|
| Total for graduation .....            | 129 credits |
| General Education .....               | 46 credits  |
| Major Studies .....                   | 74 credits  |
| Writing and Science Preparation ..... | 6 credits   |
| Electives .....                       | 3 credits   |

## Program Requirements

### General Education

**46 credits required**

#### A. Communication Skills 8 credits

|           |                                                          |   |
|-----------|----------------------------------------------------------|---|
| ENGL-101  | Freshman English – Composition <i>or</i>                 |   |
| ENGL-111  | Freshman English – Honors I .....                        | 3 |
| ENGL-102  | Freshman English – Reading and Related Writing <i>or</i> |   |
| ENGL-112  | Freshman English – Honors II .....                       | 3 |
| SPCOM-100 | Fundamentals of Speech .....                             | 2 |

#### B. Analytic Reasoning 6 credits

|          |                             |   |
|----------|-----------------------------|---|
| MATH-153 | Calculus I .....            | 4 |
| STAT-130 | Elementary Statistics ..... | 2 |

#### C. Health and Physical Education 2 credits

*Courses must be from areas of health, physical education or nutrition.*

#### D. Humanities and the Arts 9 credits

*Courses must be from three or more areas including art history, creative arts, foreign language and culture, history, literature, music appreciation, performing arts and philosophy.*

#### E. Social and Behavioral Sciences 9 credits

|          |                                  |   |
|----------|----------------------------------|---|
| ECON-201 | General Economics <i>or</i>      |   |
| ECON-210 | Principles of Economics I .....  | 3 |
| POLS-210 | American Government .....        | 3 |
| SOC-110  | Introductory Sociology <i>or</i> |   |
| PSYC-110 | General Psychology .....         | 3 |

#### F. Natural Sciences (with Lab) 10 credits

|          |                              |    |
|----------|------------------------------|----|
| PHYS-241 | College Physics I <i>and</i> |    |
| PHYS-242 | College Physics II .....     | 10 |

#### G. Technology 2 credits

## Major Studies

**74 credits required**

### Business and Management 18 credits

|           |                                            |   |
|-----------|--------------------------------------------|---|
| INMGT-300 | Engineering Economy .....                  | 3 |
| INMGT-400 | Organizational Leadership .....            | 3 |
| BUACT-201 | Financial–Managerial Accounting <i>or</i>  |   |
| BUACT-206 | Introduction to Financial Accounting ..... | 3 |
| BUMGT-304 | Principles of Management .....             | 3 |
| BUMKG-330 | Principles of Marketing .....              | 3 |
| PSYC-382  | Human Resource Management .....            | 3 |

### Architecture, Engineering and Construction 56 credits

|           |                                                       |   |
|-----------|-------------------------------------------------------|---|
| RC-388    | Construction Safety .....                             | 2 |
| BULGL-473 | Legal Aspects of Construction .....                   | 3 |
| AEC-131   | Architectural Graphics .....                          | 3 |
| AEC-171   | Light Construction Methods and Materials .....        | 3 |
| AEC-190   | Orientation to Construction Industry .....            | 1 |
| AEC-237   | Architectural Technology .....                        | 3 |
| AEC-270   | Heavy Construction Methods and Equipment .....        | 3 |
| AEC-273   | Concrete and Masonry Technology .....                 | 3 |
| AEC-357   | Site Engineering .....                                | 3 |
| AEC-438   | Contract Requirements and Specifications .....        | 3 |
| AEC-452   | Environmental Systems – HVAC .....                    | 3 |
| AEC-453   | Environmental Systems – Plumbing and Electrical ..... | 3 |
| AEC-458   | Structural Systems – Wood and Steel .....             | 3 |
| AEC-459   | Structural Systems – Concrete and Masonry .....       | 3 |
| AEC-370   | Construction Estimating I .....                       | 3 |
| AEC-470   | Construction Estimating II .....                      | 2 |
| AEC-472   | Management of Construction .....                      | 3 |
| AEC-471   | Project Scheduling and Cost Control .....             | 3 |
| AEC-449   | Cooperative Education Experience .....                | 2 |
| PHYS-321  | Statics and Strength of Materials .....               | 4 |

### Writing and Science Preparation

**6 credits required**

|          |                                                  |   |
|----------|--------------------------------------------------|---|
| ENGL-320 | Business Writing <i>or</i>                       |   |
| ENGL-415 | Technical Writing .....                          | 3 |
| PHYS-257 | Introduction to Geology and Soil Mechanics ..... | 3 |

### Electives

**3 credits required**

# Dietetics

Carol Seaborn, Program Director, 225 Home Economics Building, 715/232-2216

## Introduction

The Dietetics program prepares graduates for careers in clinical and administrative dietetics, community and public health nutrition, corporate wellness, and nutrition education as well as for opportunities in the food services, business and industry.

The Dietetics program is currently granted approval status by the Commission on Accreditation for Dietetics Education, of the American Dietetic Association, 216 W. Jackson Blvd., Chicago, IL, 60606-6995, phone 212/299-4876. Completion of the Didactic Program in dietetics and the baccalaureate degree meet minimum academic requirements for ADA membership, registration eligibility and application to a dietetic internship or preprofessional practice program.

The dietetic student receives an education with an emphasis on the following sciences: physical and biological; behavioral and social; communication and professional. With this background, the student can move toward the community and business management of nutritional health, food service and dietetic practices.

## General Requirements

### Bachelor of Science Degree

|                                  |                 |
|----------------------------------|-----------------|
| Total for graduation .....       | 124-125 credits |
| General Education .....          | 45-46 credits   |
| Major Studies .....              | 71 credits      |
| Professional Emphasis Area ..... | 8 credits       |

Students must fulfill the English adequacy and speech proficiency requirements prescribed by the respective departments.

Supervised work experience must be obtained through participation in the Field Experience program.

Students must attain a grade point of 2.0 or better in each of the General Education and Major Studies courses. (*All transferred credits will meet this program requirement.*) A 2.75 or greater grade point average is required for graduation. A minimum grade of B (3.0) is required in FN-212 Nutrition. Courses marked with an asterisk (\*) are repeatable only once, and require a cumulative grade point average of 2.50, except for FN-212, which requires a 3.0, or "B."

## Program Requirements

### General Education

**45-46 credits required**

#### A. Communication Skills **8 credits**

|           |                                                          |   |
|-----------|----------------------------------------------------------|---|
| ENGL-101  | Freshman English – Composition <i>or</i>                 |   |
| ENGL-111  | Freshman English – Honors I .....                        | 3 |
| ENGL-102  | Freshman English – Reading and Related Writing <i>or</i> |   |
| ENGL-112  | Freshman English – Honors II .....                       | 3 |
| SPCOM-100 | Fundamentals of Speech .....                             | 2 |

#### B. Analytic Reasoning **6-7 credits**

|          |                                                                      |     |
|----------|----------------------------------------------------------------------|-----|
| STAT-130 | Elementary Statistics <i>or</i>                                      |     |
| STAT-320 | Statistical Methods .....                                            | 2-3 |
| MATH-120 | Introductory College Mathematics I ( <i>or more advanced</i> ) ..... | 4   |

#### C. Health and Physical Education **2 credits**

*Courses must be from areas of health, physical education or nutrition.*

#### D. Humanities and the Arts **9 credits**

*Courses must be from three or more areas including art history, creative arts, foreign language and culture, history, literature, music appreciation, performing arts and philosophy.*

#### E. Social and Behavioral Sciences **9 credits**

|                                     |                              |   |
|-------------------------------------|------------------------------|---|
| POLS-210                            | Government .....             | 3 |
| PSYC-110                            | General Psychology .....     | 3 |
| <i>Choose one of the following:</i> |                              |   |
| SOC-110                             | Introductory Sociology ..... | 3 |
| SOC-225                             | Social Problems .....        | 3 |
| ANTH-220                            | Cultural Anthropology .....  | 3 |
| ANTH-300                            | Native Americans .....       | 3 |

#### F. Natural Sciences (with Lab) **9 credits**

|          |                                                        |   |
|----------|--------------------------------------------------------|---|
| BIO-134  | Physiology and Anatomy for Health Sciences* .....      | 4 |
| CHEM-115 | General Chemistry* <i>or</i>                           |   |
| CHEM-125 | Principles of Chemistry for Health Sciences* <i>or</i> |   |
| CHEM-135 | College Chemistry I* .....                             | 5 |

#### G. Technology **2 credits**

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**Major Studies**


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**71 credits required**


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**Physical and Biological Sciences 15 Credits**


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|          |                            |   |
|----------|----------------------------|---|
| BIO-306  | General Microbiology ..... | 4 |
| BIO-362  | Advanced Physiology .....  | 3 |
| CHEM-201 | Organic Chemistry .....    | 4 |
| CHEM-311 | Biochemistry .....         | 4 |

**Nutrition and Medical Nutrition Therapy 16 credits**


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|        |                                         |   |
|--------|-----------------------------------------|---|
| FN-212 | Nutrition* .....                        | 3 |
| FN-207 | Medical Terminology .....               | 1 |
| FN-320 | Advanced Nutrition .....                | 3 |
| FN-418 | Diet Therapy .....                      | 4 |
| FN-312 | Nutrition Assessment .....              | 2 |
| FN-413 | Maternal and Child Nutrition <i>or</i>  |   |
| FN-415 | Nutritional Issues in Gerontology ..... | 3 |

**Nutrition Education/Counseling,  
Communication and Community Nutrition 12 credits**


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|          |                             |   |
|----------|-----------------------------|---|
| FN-406   | Nutrition Education .....   | 3 |
| ENGL-320 | Business Writing <i>or</i>  |   |
| ENGL-415 | Technical Writing <i>or</i> |   |
| ENGL-346 | Research Reporting .....    | 3 |
| FN-360   | Nutrition Counseling .....  | 3 |
| FN-380   | Community Nutrition .....   | 3 |

**Food and Food Science 10 credits**


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|        |                                                            |   |
|--------|------------------------------------------------------------|---|
| FN-240 | Food Science .....                                         | 4 |
| FN-438 | Experimental Foods .....                                   | 3 |
| FN-461 | Multicultural Aspects of Food and Nutrition Patterns ..... | 3 |

**Food Service Administration/Management 15 credits**


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|           |                                               |   |
|-----------|-----------------------------------------------|---|
| BUMGT-304 | Principles of Management .....                | 3 |
| HT-324    | Quantity Food Production .....                | 4 |
| HT-450    | Food Service Administration .....             | 3 |
| HT-150    | Institutional Food Purchasing .....           | 2 |
| HT-362    | Food, Beverage, and Labor Cost Controls ..... | 3 |

**Career Awareness 3 credits**


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|        |                                 |   |
|--------|---------------------------------|---|
| FN-101 | Dietetics as a Profession ..... | 1 |
| FN-397 | Field Experience .....          | 2 |

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**Professional Emphasis Area**


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**8 credits required**

Select 8 credits in an appropriate area of emphasis or combine credits in emphasis area, or use credits toward a minor, or choose other elective credits, all with the approval of a program director. Emphasis areas include Aging and Nutrition, Culinary Arts/Communications, Food and Nutrition, Fitness and Nutrition, Food Science and Technology, Health and Nutrition Behavior, Management of Nutrition Services, Nutrition and Rehabilitation, Nutrition Generalist, Nutrition Marketing and Public Relations, and Training/Education in Nutrition Practice.



# Early Childhood Education

Judy Herr, Program Director, 119 Home Economics Building, 715/232-2486

## Introduction

Curriculum in the Early Childhood Education program is designed to prepare resourceful, creative and competent graduates to work in settings with young children. The program emphasizes theory and practice and meets the requirements for birth through grade three teaching certification for the State of Wisconsin. Academic course work is enriched by involvement with children in early childhood settings early in the program, with observation and participation experiences in UW-Stout's Child and Family Study Center. Graduates are employed as preschool, kindergarten and primary teachers, and administrators of early childhood care centers, curriculum specialists, and resource and referral specialists within corporations and the public sector.

## General Requirements

### Bachelor of Science Degree

|                            |             |
|----------------------------|-------------|
| Total for graduation ..... | 127 credits |
| General Education .....    | 48 credits  |
| Major Studies .....        | 79 credits  |

Students must demonstrate proficiency in American Red Cross First Aid procedures, either by verifying current certification with their adviser, or by satisfactory completion of HLTH-340 ARC Standard First Aid and Personal Safety (*adding 1 credit to the program credit total*).

\* Required courses with a grade point of 2.0 (C) or better. Courses in which a student earns less than the required 2.0 must be retaken and at least a 2.0 earned prior to student teaching.

\*\* Required major courses with grade point of 2.67 (B-) or better. Courses in which a student earns less than the required 2.67 must be retaken and at least a 2.67 earned prior to student teaching.

## Teacher Education Requirements

Students proceed through a series of three benchmarks as they move toward licensure.

### Benchmark I: Acceptance into Teacher Education

Teacher education students will begin fulfilling their requirements for Benchmark I as they complete their first 40 credits.

- ▶ Complete EDUC-326 Foundations of Education
- ▶ Pass the PPST (*Pre-Professional Skills Test*)
- ▶ Attain a 2.75 cumulative grade point average
- ▶ Pass the required teacher background check
- ▶ Earn a grade of at least 2.00 (C) in ENGL- 101 and ENGL-102 or ENGL-111 and ENGL-112.
- ▶ Earn a minimum grade of 2.00 (C) in SPCOM-100 Fundamentals of Speech.
- ▶ Complete General Education Technology requirement
- ▶ Receive three recommendations to enter into teacher education

### Benchmark II: Application for Student Teaching

Benchmark II must be completed prior to student teaching.

- ▶ Complete electronic portfolio
- ▶ Receive satisfactory portfolio assessment by faculty
- ▶ Pass Content Knowledge Exam
- ▶ Receive clearance through an updated background check
- ▶ Maintain a 2.75 grade point average
- ▶ Complete a satisfactory tuberculosis (*TB*) test
- ▶ Submit copies of resume to the School of Education prior to student teaching
- ▶ Complete Application for Student Teaching form

### Benchmark III: Program Completion

Benchmark III must be completed before you can be recommended for licensure.

- ▶ Complete electronic portfolio and receive a basic or higher proficiency level of assessment
- ▶ Complete all program coursework
- ▶ Meet all program-specific requirements
- ▶ Student teach at three levels: infant/toddler/preschool, kindergarten and primary.
- ▶ Receive a satisfactory student teaching assessment

## Program Requirements

### General Education

48 credits required

|                                                                                            |                      |
|--------------------------------------------------------------------------------------------|----------------------|
| <b>A. Communication Skills</b>                                                             | <b>8 credits</b>     |
| ENGL-101 Freshman English – Composition* <i>or</i>                                         |                      |
| ENGL-111 Freshman English – Honors I* .....                                                | 3                    |
| ENGL-102 Freshman English – Reading and Related Writing* <i>or</i>                         |                      |
| ENGL-112 Freshman English – Honors II* .....                                               | 3                    |
| SPCOM-100 Fundamentals of Speech* .....                                                    | 2                    |
| <b>B. Analytic Reasoning</b>                                                               | <b>6 credits</b>     |
| MATH-118 Concepts of Mathematics ( <i>or more advanced</i> )* .....                        | 4                    |
| STAT-130 Elementary Statistics .....                                                       | 2                    |
| <b>C. Health and Physical Education</b>                                                    | <b>2 credits</b>     |
| FN-102 Nutrition for Healthy Living .....                                                  | 2-3                  |
| <b>D. Humanities and the Arts</b>                                                          | <b>10-11 credits</b> |
| LIT-300 Children's Literature* .....                                                       | 3                    |
| HIST-120 Early U.S. History <i>or</i>                                                      |                      |
| HIST-121 Modern U.S. History .....                                                         | 3                    |
| HIST-210 Modern World .....                                                                | 3                    |
| <i>Remaining courses must be from areas of creative or performing arts or art history.</i> |                      |
| <b>E. Social and Behavioral Sciences †</b>                                                 | <b>12 credits</b>    |
| ANTH-220 Introduction to Cultural Anthropology .....                                       | 3                    |
| GEOG-104 World Geography .....                                                             | 3                    |
| POLS-210 American Government .....                                                         | 3                    |
| PSYC-110 General Psychology * .....                                                        | 3                    |
| <b>F. Natural Sciences (with Lab)</b>                                                      | <b>8 credits</b>     |
| BIO-101 Introductory Biology* .....                                                        | 4                    |
| CHEM-105 Visualizing Chemistry * .....                                                     | 2                    |
| PHYS-250 Introduction to Geology* .....                                                    | 2                    |
| <b>G. Technology</b>                                                                       | <b>2 credits</b>     |

### Major Studies

79 credits required

|                                                                                       |                   |
|---------------------------------------------------------------------------------------|-------------------|
| <b>Early Childhood Education major studies</b>                                        | <b>44 credits</b> |
| ECE-100 Introduction to Early Childhood Programs* .....                               | 1                 |
| ECE-303 Developmentally Appropriate Practice: Infants and Toddlers* .....             | 3                 |
| ECE-307 Developmentally Appropriate Practice: Preschool* .....                        | 4                 |
| ECE-309 Developmentally Appropriate Practice: Kindergarten-Primary* .....             | 2                 |
| ECE-364 Observing and Guiding Children: Early Childhood Classrooms** .....            | 3                 |
| ECE-410 Early Childhood Curriculum: Science* .....                                    | 3                 |
| ECE-411 Early Childhood Curriculum: Mathematics* .....                                | 3                 |
| ECE-412 Early Childhood Curriculum: Social Studies* .....                             | 3                 |
| ECE-413 Language Arts and Emergent Reading: Birth-K* .....                            | 3                 |
| ECE-414 Language Arts and Emergent Reading: K and Primary* .....                      | 2                 |
| ECE-421 Administration of Early Childhood Programs* .....                             | 2                 |
| ECE-426 Advanced Classroom Management and Guidance** .....                            | 3                 |
| ECE-435 Children, Families, Schools, and Communities** .....                          | 3                 |
| FN-236 Nutrition for Young Children* .....                                            | 1-2               |
| HDFS-124 Human Development: Early Childhood** .....                                   | 3                 |
| PE-265 Physical Activities for Young Children* .....                                  | 2                 |
| MUSIC-206 Music for the Young Child* .....                                            | 2                 |
| <b>Student Teaching</b>                                                               | <b>24 credits</b> |
| ECE-480 Student Teaching: Infant, Toddler, Preschool* .....                           | 8                 |
| ECE-493 Student Teaching: Kindergarten* .....                                         | 8                 |
| ECE-494 Student Teaching: Primary* .....                                              | 8                 |
| <i>ECE-488 Intern Teaching can be taken to replace any level of student teaching.</i> |                   |
| <b>Professional Education Core</b>                                                    | <b>11 credits</b> |
| EDUC-303 Educational Psychology* .....                                                | 3                 |
| EDUC-326 Foundations of Education* .....                                              | 2                 |
| EDUC-336 Multiculturalism: Issues and Perspectives* .....                             | 2                 |
| EDUC-376 Field Experience – Cross Cultural Experience * .....                         | 1                 |
| SPED-430 Inclusion of Students with Exceptional Needs* .....                          | 3                 |

# Engineering Technology

Scott Springer, Program Director, 332 Fryklund Hall, 715/232-2162

## Introduction

UW-Stout's Engineering Technology degree provides a broad background in industrial practices combined with an in-depth study in an engineering-related concentration. The program is designed to prepare graduates for industrial positions related to the engineering concentration area, with an appropriately broad background for later advancement into management positions. Typical entry-level positions include Design Engineer, Project Engineer, Plant Engineer, Process Engineer, Designer, Industrial Engineer, Production Scheduler and Applications Engineer. Students in the program develop knowledge and competencies in the concentration engineering area, materials and manufacturing methods, management/overview of the industrial organization, effective oral and written communication, and the application of physical science and mathematics principles to understand and solve technological and economic problems found in industry.

## General Requirements

### Bachelor of Science Degree

|                            |             |
|----------------------------|-------------|
| Total for graduation ..... | 124 credits |
| General Education .....    | 51 credits  |
| Major Studies .....        | 43 credits  |
| Concentrations .....       | 30 credits  |

## Program Requirements

### General Education

**51 credits required**

#### A. Communication Skills 8 credits

|           |                                                          |   |
|-----------|----------------------------------------------------------|---|
| ENGL-101  | Freshman English – Composition <i>or</i>                 |   |
| ENGL-111  | Freshman English – Honors I .....                        | 3 |
| ENGL-102  | Freshman English – Reading and Related Writing <i>or</i> |   |
| ENGL-112  | Freshman English – Honors II .....                       | 3 |
| SPCOM-100 | Fundamentals of Speech .....                             | 2 |

#### B. Analytic Reasoning 6 credits

|          |                             |   |
|----------|-----------------------------|---|
| STAT-130 | Elementary Statistics ..... | 2 |
| MATH-153 | Calculus I .....            | 4 |

#### C. Health and Physical Education 2 credits

*Courses must be from areas of health, physical education or nutrition.*

#### D. Humanities and the Arts 9 credits

*Courses must be from three or more areas including art history, creative arts, foreign language and culture, history, literature, music appreciation, performing arts and philosophy.*

#### E. Social and Behavioral Sciences 9 credits

|          |                                 |   |
|----------|---------------------------------|---|
| ECON-201 | General Economics <i>or</i>     |   |
| ECON-210 | Principles of Economics I ..... | 3 |

*Remaining courses must be from two or more areas including anthropology, geography, political science, psychology and sociology.*

#### F. Natural Sciences (with Lab) 15 Credits

|          |                           |   |
|----------|---------------------------|---|
| CHEM-135 | College Chemistry I ..... | 5 |
| PHYS-241 | College Physics I .....   | 5 |
| PHYS-242 | College Physics II .....  | 5 |

#### G. Technology 2 Credits

### Major Studies

**43 credits required**

#### Professional Studies 20 credits

|           |                                                               |   |
|-----------|---------------------------------------------------------------|---|
| RD-100    | Introduction to Engineering Technology .....                  | 1 |
| RC-381    | Occupational Safety/Loss Control .....                        | 3 |
| INMGT-200 | Production/Operations Management .....                        | 3 |
| INMGT-400 | Organizational Leadership .....                               | 3 |
| INMGT-430 | Employee Involvement: Work Teams .....                        | 2 |
| BUACT-200 | Financial-Managerial Accounting – Engineering Technology .... | 2 |
| BUMKG-330 | Principles of Marketing .....                                 | 3 |
| ENGL-415  | Technical Writing <i>or</i>                                   |   |
| ENGL-346  | Research Reporting .....                                      | 3 |

#### Basic Technology 23 credits

|           |                                             |   |
|-----------|---------------------------------------------|---|
| CADD-112  | Principles of Engineering Drawing I .....   | 3 |
| ELEC-204  | Electricity/Electronics Fundamentals .....  | 3 |
| MFGT-110  | Materials and Manufacturing Processes ..... | 3 |
| MFGT-202  | Welding and Casting Processes .....         | 3 |
| MFGT-203  | Machining and Metal Forming .....           | 3 |
| MFGT-204  | Polymer Processes .....                     | 3 |
| RD-205    | Design for Industry .....                   | 3 |
| POWER-260 | Introduction to Fluid Power .....           | 2 |

### Concentrations

**30 credits required**

*Students elect one of the following concentrations.*

#### Automation Systems 30 credits

##### Core Requirements (25 credits)

|           |                                                   |   |
|-----------|---------------------------------------------------|---|
| ELEC-352  | Microcomputer/Microprocessor Concepts .....       | 3 |
| ELEC-340  | Motors and Generators .....                       | 2 |
| ELEC-281  | Circuit Devices and Logic .....                   | 3 |
| ELEC-341  | Electrical and Mechanical Interface Devices ..... | 2 |
| ELEC-445  | Automation and Control Applications .....         | 3 |
| POWER-303 | Mechanical Power Transmission .....               | 3 |
| MFGT-303  | Computer Aided Manufacturing .....                | 3 |
| MFGT-305  | Robotics .....                                    | 2 |
| POWER-361 | Industrial Hydraulics .....                       | 2 |
| POWER-362 | Industrial Pneumatics .....                       | 2 |

##### Core Selectives (5 credits)

*Select 5 credits from the following:*

|           |                                                 |     |
|-----------|-------------------------------------------------|-----|
| MFGT-310  | Manufacturing Systems .....                     | 3   |
| MFGT-337  | Numerical Control in Manufacturing .....        | 1-3 |
| PKG-150   | Packaging Fundamentals .....                    | 2   |
| PKG-335   | Packaging Machinery .....                       | 3   |
| BUACT-410 | Manufacturing Cost Analysis .....               | 3   |
| TRHRD-360 | Training Systems in Business and Industry ..... | 3   |
| PHYS-325  | Strength of Materials .....                     | 3   |
| SPCOM-XXX | Advanced Speech .....                           | 1-3 |
| XXX-X49   | Cooperative Education Experience .....          | 1-3 |

## Facilities 30 credits

### Core Requirements (24 credits)

|           |                                                       |   |
|-----------|-------------------------------------------------------|---|
| INMGT-300 | Engineering Economics .....                           | 2 |
| INMGT-350 | Facilities Planning .....                             | 3 |
| INMGT-450 | Maintenance Management .....                          | 2 |
| INMGT-365 | Project Management .....                              | 2 |
| AEC-237   | Architectural Technology .....                        | 3 |
| AEC-438   | Contract Requirements and Specifications .....        | 3 |
| AEC-452   | Environmental Systems – HVAC .....                    | 3 |
| AEC-453   | Environmental Systems – Plumbing and Electrical ..... | 3 |
| CHEM-353  | Environmental Chemistry .....                         | 3 |

### Core Selectives (6 credits)

Select 6 credits from the following:

|           |                                             |     |
|-----------|---------------------------------------------|-----|
| RC-383    | Voluntary OSHA Compliance .....             | 2-3 |
| RC-386    | Fire Protection .....                       | 3   |
| INMGT-120 | Quality Concepts .....                      | 3   |
| INGMT-314 | Industrial Enterprise Practicum .....       | 3   |
| BUMKG-337 | Purchasing .....                            | 3   |
| AEC-357   | Site Engineering .....                      | 2   |
| AEC-370   | Construction Estimating I .....             | 3   |
| CADD-234  | Computer Assisted Design and Drafting ..... | 2   |
| POWER-361 | Industrial Hydraulics .....                 | 2   |
| POWER-362 | Industrial Hydraulics .....                 | 2   |
| CHEM-452  | Environmental Regulations Management .....  | 3   |
| PHYS-325  | Strength of Materials .....                 | 3   |
| SPCOM-XXX | Advanced Speech .....                       | 1-3 |
| XXX-X49   | Cooperative Education Experience .....      | 1-3 |

## Mechanical Design 30 credits

### Core Requirements (24 credits)

|          |                                            |   |
|----------|--------------------------------------------|---|
| PHYS-321 | Statics and Strength of Materials .....    | 4 |
| CADD-113 | Principles of Engineering Drawing II ..... | 3 |
| CADD-436 | Computer Assisted Design Problems .....    | 2 |
| MECH-332 | Mechanical Design .....                    | 4 |
| MECH-337 | Mechanical Design Drafting .....           | 2 |
| MECH-392 | Mechanics of Machinery II .....            | 3 |
| MECH-393 | Mechanics of Machinery II .....            | 3 |

Choose one option:

#### Option 1

|        |                             |   |
|--------|-----------------------------|---|
| RD-320 | Prototype Development ..... | 3 |
|--------|-----------------------------|---|

#### Option 2

|        |                                    |   |
|--------|------------------------------------|---|
| RD-420 | Research and Development .....     | 2 |
| RD-421 | Research and Development Lab ..... | 1 |

### Core Selectives (6 credits)

Select 6 credits from the following:

|           |                                           |     |
|-----------|-------------------------------------------|-----|
| PKG-150   | Packaging Fundamentals .....              | 2   |
| PKG-335   | Packaging Machinery .....                 | 3   |
| MFGE-441  | Design of Jigs and Fixtures .....         | 3   |
| MFGT-303  | Computer Aided Manufacturing .....        | 3   |
| MFGT-310  | Industrial Metrology .....                | 3   |
| CADD-212  | Descriptive Geometry .....                | 3   |
| CADD-466  | 3-D Computer Modeling and Rendering ..... | 3   |
| ELEC-348  | Motors and Generators .....               | 2   |
| POWER-303 | Mechanical Power Transmission .....       | 3   |
| POWER-361 | Hydraulics .....                          | 2   |
| POWER-362 | Pneumatics .....                          | 2   |
| SPCOM-XXX | Advanced Speech .....                     | 1-3 |
| XXX-X49   | Cooperative Education Experience .....    | 1-3 |

## Plastics 30 credits

### Core Requirements (24 credits)

|           |                                            |   |
|-----------|--------------------------------------------|---|
| MFGT-340  | Plastics Processing .....                  | 3 |
| MFGT-350  | Advanced Plastics Processing .....         | 3 |
| CADD-113  | Principles fo Engineering Drawing II ..... | 3 |
| MFGT-360  | Plastics Tooling I .....                   | 3 |
| MFGT-470  | Plastics Tooling II .....                  | 3 |
| CHEM-325  | Chemistry of Polymers .....                | 4 |
| POWER-361 | Industrial Hydraulics .....                | 2 |
| MFGT-480  | Capstone .....                             | 3 |

### Core Selectives (6 credits)

Select 6 credits from the following:

|           |                                         |     |
|-----------|-----------------------------------------|-----|
| INMGT-120 | Quality Concepts .....                  | 3   |
| PKG-150   | Packaging Fundamentals .....            | 2   |
| CADD-436  | Computer Assisted Design Problems ..... | 3   |
| PKG-200   | Packaging materials .....               | 3   |
| MFGT-303  | Computer Aided Manufacturing .....      | 3   |
| MECH-392  | Mechanics of Machinery I .....          | 3   |
| POWER-303 | Computer Aided Manufacturing .....      | 3   |
| PHYS-321  | Statics and Strength of Materials ..... | 4   |
| SPCOM-XXX | Advanced Speech .....                   | 1-3 |
| XXX-X49   | Cooperative Education Experience .....  | 1-3 |

## Production Operations 30 credits

### Core Requirements (24 credits)

|           |                                               |   |
|-----------|-----------------------------------------------|---|
| INMGT-120 | Quality Concepts .....                        | 3 |
| MFGE-XXX  | Engineering Economics and Cost Analysis ..... | 3 |
| INMGT-305 | Production and Inventory Control .....        | 3 |
| INMGT-314 | Industrial Enterprise Practicum .....         | 3 |
| INMGT-320 | Quality Assurance .....                       | 3 |
| INMGT-350 | Plant Layout .....                            | 3 |
| BUMKG-430 | Industrial Distribution .....                 | 3 |
| BUMKG-337 | Purchasing .....                              | 3 |

### Core Selectives (6 credits)

Select 6 credits from the following:

|           |                                                 |     |
|-----------|-------------------------------------------------|-----|
| PKG-150   | Packaging Fundamentals .....                    | 2   |
| PKG-269   | Distribution Packaging .....                    | 3   |
| MFGT-308  | Industrial Metrology .....                      | 3   |
| INMGT-450 | Maintenance Management .....                    | 3   |
| INMGT-325 | Quality Management .....                        | 3   |
| INMGT-340 | Time and Motion Study .....                     | 1-3 |
| BULGL-318 | Business Law .....                              | 3   |
| RC-389    | Fleet Risk Control Management .....             | 2   |
| ECON-421  | Collective Bargaining and Labor Relations ..... | 2   |
| MFGT-303  | Computer Aided Manufacturing .....              | 3   |
| BUINB-260 | Introduction to International Business .....    | 3   |
| SPCOM-XXX | Advanced Speech .....                           | 1-3 |
| XXX-XXX   | Any Co-op or Field Experience .....             | 1-3 |

# Family and Consumer Sciences Education

Dianne Klemme, Program Director, 144 Home Economics Building, 715/232-2546

## Introduction

The Bachelor of Science degree in Family and Consumer Sciences Education prepares students to teach in elementary, middle, junior high and high school settings across the United States. The program prepares professionals who are knowledgeable regarding subject matter and content in the field of family and consumer sciences education, including life-span human development, personal and family relationships, parenting, consumer economics, food and nutrition, housing, textiles, and clothing.

Requirements of the Department of Public Instruction Benchmark I must be met before moving from pre-education status to fully admitted status in the Family and Consumer Sciences Education program:

- Complete FCSE-101 Experiential Learning
- Complete EDUC-326 Foundations of Education
- Complete 40 credits
- Pass the Pre-Professional Skills Test (PPST)
- Have a 2.75 grade point average
- Pass the required teacher background check
- Receive a "C" or better in English and Speech requirements
- Complete the General Education Technology requirement

## General Requirements

### Bachelor of Science Degree

|                              |                 |
|------------------------------|-----------------|
| Total for graduation .....   | 126-127 credits |
| General Education .....      | 45 credits      |
| Professional Core .....      | 40-41 credits   |
| Professional Education ..... | 41 credits      |

An overall cumulative grade point average of 2.75 is required for graduation.

## Program Requirements

### General Education

45 credits required

#### A. Communication Skills 8 credits

English and Speech courses require a grade of C or better.

|                                                            |   |
|------------------------------------------------------------|---|
| ENGL-101 Freshman English – Composition or                 |   |
| ENGL-111 Freshman English – Honors I .....                 | 3 |
| ENGL-102 Freshman English – Reading and Related Writing or |   |
| ENGL-112 Freshman English – Honors II .....                | 3 |
| SPCOM-100 Fundamentals of Speech .....                     | 2 |

#### B. Analytic Reasoning 6 credits

MATH-XXX Any Mathematics .....

4  
Remaining courses must be from areas including math, logic, statistics and computer science.

#### C. Health and Physical Education 2 credits

Courses must be from areas of health, physical education or nutrition.

#### D. Humanities and the Arts 9 credits

|                                               |     |
|-----------------------------------------------|-----|
| LIT-XXX Any Literature .....                  | 1-3 |
| HIST-210 Modern World .....                   | 3   |
| XXX-XXX Any creative or performing arts ..... | 1-3 |

Remaining courses may be from any of the humanities and the arts.

#### E. Social and Behavioral Sciences 9 credits

|                                       |   |
|---------------------------------------|---|
| ECON-210 Principles of Economics I or |   |
| ECON-201 General Economics .....      | 3 |
| POLS-210 American Government .....    | 3 |
| PSYC-110 General Psychology .....     | 3 |

#### F. Natural Sciences (with Lab) 9 credits

|                                                            |   |
|------------------------------------------------------------|---|
| BIO-132 Human Biology .....                                | 4 |
| CHEM-115 General Chemistry or                              |   |
| CHEM-125 Principles of Chemistry for Health Sciences ..... | 5 |

#### G. Technology 2 credits

### Professional Core

40-41 credits required

|                                                                          |   |
|--------------------------------------------------------------------------|---|
| APRL-140 Textiles .....                                                  | 3 |
| APRL-166 Apparel Construction .....                                      | 3 |
| FCSE-101 Experiential Learning .....                                     | 2 |
| FCSE-201 Presentation Strategies for Family and Consumer Sciences* ..... | 2 |
| FCSE-380 Consumer Economics .....                                        | 3 |
| FCSE-385 Family Housing .....                                            | 3 |
| HDFL-115 Individual and Family Relationships .....                       | 3 |
| HDFL-124 Human Development: Early Childhood .....                        | 3 |
| HDFL-215 Dynamics of Family Development .....                            | 3 |
| HDFL-313 Parent Education/Involvement .....                              | 2 |
| HDFL-365 Family Resource Management .....                                | 2 |
| FN-102 Nutrition for Healthy Living .....                                | 3 |
| FN-124 Foods .....                                                       | 4 |

Select 1-2 credits from the following:

|                                                     |   |
|-----------------------------------------------------|---|
| HDFL-310 Family Stress, Coping and Adaptation ..... | 1 |
| HDFL-360 Workplace and the Family .....             | 2 |

Select 3 credits from the following:

|                                                                   |   |
|-------------------------------------------------------------------|---|
| FN-208 Management of Food Production .....                        | 3 |
| FN-342 Advanced Foods .....                                       | 3 |
| FN-461 Multicultural Aspects of Food and Nutrition Patterns ..... | 3 |

### Professional Education

41 credits required

Courses marked with an asterisk (\*) may be taken only after meeting the requirements of Benchmark I and acceptance into Family and Consumer Sciences Education from pre-education status.

|                                                                               |    |
|-------------------------------------------------------------------------------|----|
| EDUC-303 Educational Psychology* .....                                        | 3  |
| EDUC-326 Foundations of Education .....                                       | 2  |
| EDUC-336 Multiculturalism: Issues and Perspectives* .....                     | 2  |
| EDUC-376 Field Experience – Cross Cultural Experience* .....                  | 1  |
| EDUC-382 Secondary Reading and Language Development* .....                    | 2  |
| EDUC-XXX Classroom Management* .....                                          | 2  |
| FCSE-301 Family and Consumer Sciences Education Curriculum* .....             | 3  |
| FCSE-320 Vocational Programs in FCSE* .....                                   | 2  |
| FCSE-341 Clinical Experience in Schools* .....                                | 1  |
| FCSE-360 Family and Consumer Sciences Education/Family Life Evaluation* ..... | 2  |
| FCSE-448 Student Teaching – Family and Consumer Sciences Education* .....     | 16 |
| SPED-430 Inclusion of Students With Exceptional Needs* .....                  | 3  |
| VTAE-302 Principles of Vocational, Technical and Adult Education .....        | 2  |

# Food Systems and Technology

Carolyn Barnhart, Program Director, 368 Home Economic Building, 715/232-2545

## Introduction

The Food Systems and Technology program prepares graduates for careers in the nation's largest business-the food industry. The Food Systems and Management concentration prepares graduates to administer large quantity food production and service facilities everywhere, from cruise ships to hospitals, schools and prisons. Graduates may also manage catering operations or restaurants and delis. Entry-level positions for graduates of the Food Science concentration include assistant food scientist, quality assurance manager, food analyst, food/ingredient development team member, technical representative and government relations officer. The Food Merchandising and Distribution concentration prepares graduates for positions such as supermarket, convenience store or food discount club management; manufacturer sales; food broker; specialty food merchandising; and marketing specialist. The Food Communication concentration prepares graduates for a variety of careers including food styling, magazine or newspaper writing and editing, food and nutrition television reporter, food promotion specialist or food industry home economist. The Food Packaging concentration prepares graduates for a variety of careers in the food packaging industry including design and management as it relates and impacts the food item.

## General Requirements

### Bachelor of Science Degree

|                            |               |
|----------------------------|---------------|
| Total for graduation ..... | 126 credits   |
| General Education .....    | 42 credits    |
| Major Studies .....        | 42 credits    |
| Concentration .....        | 42-48 credits |

The student must fulfill the English adequacy and speech proficiency requirements prescribed by the respective departments.

Work experience must be obtained through participation in the Field Experience program (*after junior year*).

All transfer credits must have a grade point of 2.0 or better. A 2.25 or better grade point average is required for graduation. All major studies courses must have a 1.67 or better grade point average.

## Program Requirements

### General Education

42 credits required

| A. Communication Skills                                           | 8 credits |
|-------------------------------------------------------------------|-----------|
| ENGL-101 Freshman English – Composition <i>or</i>                 |           |
| ENGL-111 Freshman English – Honors I .....                        | 3         |
| ENGL-102 Freshman English – Reading and Related Writing <i>or</i> |           |
| ENGL-112 Freshman English – Honors II .....                       | 3         |
| SPCOM-100 Fundamentals of Speech .....                            | 2         |

### B. Analytic Reasoning

6 credits

|                                                                                                         |   |
|---------------------------------------------------------------------------------------------------------|---|
| MATH-120 Introductory College Mathematics I <i>or</i>                                                   |   |
| MATH-154 Calculus II .....                                                                              | 4 |
| <i>Remaining courses must be from the areas including math, logic, statistics and computer science.</i> |   |

### C. Health and Physical Education

2 credits

*Courses must be from areas of health, physical education or nutrition.*

### D. Humanities and the Arts

9 credits

*Courses must be from three or more areas including art history, creative arts, foreign language and culture, history, literature, music appreciation, performing arts and philosophy.*

### E. Social and Behavioral Sciences

9 credits

|                                                                                                                                    |   |
|------------------------------------------------------------------------------------------------------------------------------------|---|
| ECON-210 Principles of Economics I ( <i>recommended</i> ) .....                                                                    | 3 |
| <i>Courses must be from three areas including anthropology, economics, geography, political science, psychology and sociology.</i> |   |

### F. Natural Sciences (with Lab)

4 credits

|                                      |   |
|--------------------------------------|---|
| BIO-234 Physiology and Anatomy ..... | 4 |
|--------------------------------------|---|

### G. Technology

2 credits

|                                                     |   |
|-----------------------------------------------------|---|
| FN-222 Food Technology ( <i>recommended</i> ) ..... | 2 |
|-----------------------------------------------------|---|

### H. General Education Electives

2 credits

*Required courses from the major studies component will fulfill these requirements.*

## Major Studies

42 credits

|                                                   |     |
|---------------------------------------------------|-----|
| BIO-306 General Microbiology .....                | 4   |
| INMG-400 Organizational Leadership .....          | 3   |
| BUMKT-330 Principles of Marketing .....           | 3   |
| EDUC-307 Applied Human Relations .....            | 2   |
| FN-111 Food Systems and Technology Futures .....  | 1   |
| FN-124 Foods <i>or</i>                            |     |
| FN-240 Food Science .....                         | 4   |
| FN-208 Management of Food Production .....        | 3   |
| FN-212 Nutrition .....                            | 2-3 |
| FN-442 Basic Sensory Analysis .....               | 3   |
| FN-449 Cooperative Education/Internship <i>or</i> |     |
| FN-497 Field Experience .....                     | 2   |
| FN-XXX Senior Project .....                       | 1-4 |
| PKG-150 Packaging Fundamentals .....              | 2   |

*Select 2 credits from the following:*

|                                                         |   |
|---------------------------------------------------------|---|
| ENGL-415 Technical Writing <i>or</i>                    |   |
| SPCOM-308 Speech Skills for Business and Industry ..... | 2 |

*Select 5 credits from the following:*

|                                                                |   |
|----------------------------------------------------------------|---|
| CHEM-115 General Chemistry <i>or</i>                           |   |
| CHEM-125 Principles of Chemistry for Health Sciences <i>or</i> |   |
| CHEM-135 College Chemistry I .....                             | 5 |

*Select up to 4 credits of Major Studies Electives*

|                        |     |
|------------------------|-----|
| XXX-XX Electives ..... | 0-4 |
|------------------------|-----|

## Concentrations

43 credits required

### Food Systems Management

43 credits

|           |                                                          |   |
|-----------|----------------------------------------------------------|---|
| BUACT-206 | Introduction to Financial Accounting .....               | 3 |
| BUACT-207 | Introduction - Corporate and Managerial Accounting ..... | 3 |
| BUMGT-304 | Principles of Management .....                           | 3 |
| FN-260    | Menu Planning and Design .....                           | 2 |
| FN-310    | Lifespan Nutrition .....                                 | 3 |
| FN-420    | Food Styling .....                                       | 3 |
| HT-324    | Quantity Food Production .....                           | 4 |
| HT-362    | Food, Beverage and Labor Cost Controls .....             | 3 |
| HT-353    | Computer Systems for Food Service .....                  | 2 |
| HT-450    | Food Service Administration .....                        | 3 |
| HT-323    | Food Service Equipment .....                             | 2 |
| XXX-XXX   | Electives * .....                                        | 6 |

Take two of the following courses:

|        |                                                            |   |
|--------|------------------------------------------------------------|---|
| FN-410 | Food Policy Regulation and Law .....                       | 3 |
| FN-414 | Catering or                                                |   |
| HT-424 | Catering .....                                             | 3 |
| FN-461 | Multicultural Aspects of Food and Nutrition Patterns ..... | 3 |

\* BIO-206 Food Service and Environmental Sanitation (1 credit) may give students sanitation certification from the Educational Foundation of the National Restaurant Association.

\* ECON-215 Principles of Economics II and declaration on application may give students a Business Administration minor.

### Food Science

48 Credits

|           |                                        |   |
|-----------|----------------------------------------|---|
| INMGT-200 | Production/Operations Management ..... | 3 |
| INMGT-320 | Quality Tools .....                    | 3 |
| FN-342    | Advanced Foods .....                   | 3 |
| FN-350    | Food Processing .....                  | 3 |
| FN-410    | Food Policy Regulation and Law .....   | 3 |
| FN-438    | Experimental Foods .....               | 3 |
| FN-450    | Food Engineering .....                 | 3 |
| BIO-406   | Food Microbiology .....                | 3 |
| CHEM-201  | Organic Chemistry I .....              | 4 |
| CHEM-311  | Biochemistry .....                     | 4 |
| CHEM-315  | Food Chemistry .....                   | 3 |
| CHEM-335  | Instrumental Methods of Analysis ..... | 3 |
| STAT-320  | Statistical Methods .....              | 3 |
| MATH-153  | Calculus I or                          |   |
| MATH-156  | Calculus and Analytic Geometry .....   | 4 |
| PHYS-211  | Introduction to Physics .....          | 3 |

### Food Merchandising and Distribution

44 Credits

|           |                                                              |     |
|-----------|--------------------------------------------------------------|-----|
| BUACT-206 | Introduction to Financial Accounting .....                   | 3   |
| BUMKG-334 | Salesmanship and Sales Management or                         |     |
| BURTL-229 | Visual Merchandising .....                                   | 3   |
| BUMKG-370 | Principles of Advertising or                                 |     |
| BURTL-425 | Current Retail Strategies for a Differential Advantage ..... | 2   |
| BUMKG-438 | Industrial Distribution .....                                | 3   |
| FN-225    | Special Topics in Food and Nutrition .....                   | 1-2 |
| FN-202    | Food and Beverage Distribution Industry .....                | 3   |
| FN-470    | Food Distribution Operations and Control .....               | 3   |
| FN-410    | Food Policy Regulation and Law .....                         | 3   |
| FN-420    | Food Styling .....                                           | 3   |
| FN-438    | Experimental Foods .....                                     | 3   |
| HT-324    | Quantity Food Production .....                               | 4   |
| HT-450    | Food Service Administration .....                            | 3   |
| HT-323    | Food Service Equipment .....                                 | 2   |

|          |                           |   |
|----------|---------------------------|---|
| PSYC-377 | Consumer Psychology ..... | 3 |
| XXX-XXX  | Electives .....           | 2 |

Select 3 credits from the following:

|           |                                              |   |
|-----------|----------------------------------------------|---|
| BUMGT-480 | Entrepreneurship: Small Business Planning or |   |
| BURTL-431 | Service Management Strategies or             |   |
| HT-362    | Food, Beverage and Labor Cost Controls or    |   |
| ECON-215  | Principles of Economics II .....             | 3 |

### Food Communication

42 Credits

|           |                                                            |     |
|-----------|------------------------------------------------------------|-----|
| MEDIA-304 | Elementary Photography .....                               | 3   |
| GCM-141   | Graphic Communications and Electronic Publishing .....     | 3   |
| GCM-345   | Publications Production .....                              | 3   |
| BUMKG-334 | Salesmanship and Sales Management .....                    | 3   |
| BUMKG-370 | Principles of Advertising .....                            | 3   |
| BUMKG-479 | Marketing Research .....                                   | 3   |
| FN-260    | Menu Planning and Design .....                             | 2   |
| FN-310    | Lifespan Nutrition .....                                   | 3   |
| FN-325    | Recipe Development and Cookbook Writing .....              | 1   |
| FN-414    | Catering or                                                |     |
| HT-424    | Catering .....                                             | 3   |
| FN-420    | Food Styling .....                                         | 3   |
| FN-438    | Experimental Foods .....                                   | 3   |
| FN-461    | Multicultural Aspects of Food and Nutrition Patterns ..... | 3   |
| ENGL-XXX  | Any Journalism .....                                       | 2-3 |

Select 2-3 credits from the following:

|        |                              |     |
|--------|------------------------------|-----|
| FN-342 | Advanced Foods .....         | 3   |
| FN-410 | Food Policy and Law .....    | 3   |
| FN-XXX | Any Food and Nutrition ..... | 2-3 |

Select 2-3 credits from the following:

|           |                                   |     |
|-----------|-----------------------------------|-----|
| MEDIA-XXX | Any Media Technology .....        | 2-3 |
| GCM-XXX   | Any Graphic Communications .....  | 2-3 |
| BUXXX-XXX | Any Business Administration ..... | 2-3 |
| ART-XXX   | Any Art .....                     | 2-3 |
| ENGL-XXX  | Any English or Journalism .....   | 2-3 |

### Food Packaging

42 credits

|          |                                       |   |
|----------|---------------------------------------|---|
| BIO-406  | Food Microbiology .....               | 3 |
| CHEM-201 | Organic Chemistry I .....             | 4 |
| CHEM-315 | Food Chemistry .....                  | 3 |
| FN-XXX   | Quality Foods .....                   | 3 |
| FN-325   | Food Packaging .....                  | 3 |
| FN-410   | Food Policy Regulation and Law .....  | 3 |
| FN-450   | Food Engineering .....                | 3 |
| MATH-154 | Calculus II .....                     | 4 |
| PKG-XXX  | Food Packaging Lab .....              | 3 |
| PKG-200  | Packaging Materials .....             | 3 |
| PKG-250  | Consumer Packaging Systems .....      | 3 |
| PKG-335  | Packaging Machinery .....             | 3 |
| PKG-350  | Packaging Design and Evaluation ..... | 2 |
| STAT-130 | Elementary Statistics .....           | 2 |



# General Business Administration

Hugh Williamson, Program Director, 281C Jarvis Hall — Technology Wing, 715/232-2697

## Introduction

The General Business Administration program at UW-Stout is unique in that it blends business with technology. It has a solid foundation of general-liberal studies and covers the functional areas of marketing, manufacturing, finance, personnel, accounting and law. It also requires comprehensive courses in policies, management information systems, leadership, and the legal and ethical aspects of management. The unique aspect of requiring credits in a technical component allows a student to tap one or more of Stout's technology areas such as construction, graphic arts management, information systems, logistics management, loss control, packaging, quality management, training, retail management, hospitality and tourism management, and the like to complement the business program.

Recent graduates have obtained positions in areas of sales, retailing, production control, manufacturing supervision, purchasing, cost accounting, human resource management, restaurant management, customer service, banking and others.

## General Requirements

### Bachelor of Science Degree

|                                |             |
|--------------------------------|-------------|
| Total for graduation .....     | 124 credits |
| General Education .....        | 42 credits  |
| Professional Preparation ..... | 8-9 credits |
| Major Studies .....            | 61 credits  |
| Technical Component .....      | 10 credits  |
| Electives .....                | 2-3 credits |

A grade point average of at least 2.5 for the last 64 credits earned or a grade point average of 2.5 overall for UW-Stout credits earned in program is required.

## Program Requirements

### General Education

**42 credits required**

#### A. Communication Skills 8 credits

|           |                                                          |   |
|-----------|----------------------------------------------------------|---|
| ENGL-101  | Freshman English – Composition <i>or</i>                 |   |
| ENGL-111  | Freshman English – Honors I .....                        | 3 |
| ENGL-102  | Freshman English – Reading and Related Writing <i>or</i> |   |
| ENGL-112  | Freshman English – Honors II .....                       | 3 |
| SPCOM-100 | Fundamentals of Speech .....                             | 2 |

#### B. Analytic Reasoning 6 credits

|          |                                                                        |   |
|----------|------------------------------------------------------------------------|---|
| STAT-XXX | Any Statistics .....                                                   | 2 |
| MATH-123 | Finite Mathematics with Applications ( <i>or more advanced</i> ) ..... | 4 |

#### C. Health and Physical Education 2 credits

*Courses must be from areas of health, physical education or nutrition.*

#### D. Humanities and the Arts 9 credits

*Courses must be from three or more areas including art history, creative arts, foreign language and culture, history, literature, music appreciation, performing arts and philosophy.*

#### E. Social and Behavioral Sciences 9 credits

|                                                                                                                                         |                                 |   |
|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---|
| ECON-210                                                                                                                                | Principles of Economics I ..... | 3 |
| <i>Remaining courses must be from two or more areas including anthropology, geography, political science, psychology and sociology.</i> |                                 |   |

#### F. Natural Sciences (with Lab) 4 credits

#### G. Technology 2 credits

#### H. General Education Electives 2 credits

*Courses must come from categories A, B, D, E and F.*

### Professional Preparation

**8-9 credits**

#### Problem Solving 3 credits

*Select one course from the following:*

|          |                                        |   |
|----------|----------------------------------------|---|
| RD-205   | Design for Industry .....              | 3 |
| ENGL-247 | Critical Writing .....                 | 3 |
| LOG-250  | Critical Thinking .....                | 3 |
| LOG-301  | Introduction to Logical Thinking ..... | 3 |

#### Business Writing 3 credits

|          |                            |   |
|----------|----------------------------|---|
| ENGL-320 | Business Writing <i>or</i> |   |
| ENGL-415 | Technical Writing .....    | 3 |

#### Information Technology 2-3 credits

*Select one course from the following:*

|           |                                                                                                |     |
|-----------|------------------------------------------------------------------------------------------------|-----|
| MEDIA-440 | Telecommunication Systems and Teleconferencing .....                                           | 2   |
| TCS-281   | Data Communications .....                                                                      | 3   |
| TCS-305   | Office Automation Technology .....                                                             | 3   |
| TCS-307   | Artificial Intelligence Applications in Business .....                                         | 2   |
| TCS-481   | Telecommunications Systems Administration .....                                                | 3   |
| BUMIS-310 | Management Information Systems .....                                                           | 2   |
| XXX-XXX   | Any computer-based information systems course<br>from a specific technical emphasis area ..... | 1-3 |



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**Major Studies**


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**61 credits required**

At least 50 percent of these credits must be taken at UW-Stout.

**Business Core 28 credits**

|           |                                                                 |   |
|-----------|-----------------------------------------------------------------|---|
| INMGT-200 | Production/Operations Management .....                          | 3 |
| BUMGT-100 | Introduction to Business Administration .....                   | 1 |
| BUACT-206 | Introduction to Financial Accounting .....                      | 3 |
| BUACT-207 | Introduction – Corporate and Managerial Accounting .....        | 3 |
| BUMKG-304 | Principles of Management .....                                  | 3 |
| BULGL-318 | Business Law I .....                                            | 3 |
| BUMKG-330 | Principles of Marketing .....                                   | 3 |
| BUMIS-333 | Management Information Systems – Decision Support Systems ..... | 3 |
| BUACT-340 | Business Finance .....                                          | 3 |
| ECON-215  | Principles of Economics II .....                                | 3 |

**Professional Core 33 Credits**

Select one course from each of the following areas:

|           |                                 |     |
|-----------|---------------------------------|-----|
| INMGT-XXX | Any Production Operations ..... | 3   |
| BUACT-XXX | Any Accounting .....            | 3   |
| BUMKG-XXX | Any Marketing .....             | 3   |
| BULGL-XXX | Any Legal .....                 | 3   |
| BUMIS-XXX | Any Integrated Systems .....    | 3   |
| BUMGT-XXX | Any Experiential Learning ..... | 2   |
| XXX-XXX   | Any Human Resources .....       | 3   |
| BUINB-XXX | Any International or            |     |
| ECON-480  | International Trade .....       | 3   |
| XXX-XXX   | Any Management .....            | 2-3 |
| INMGT-XXX | Any Practicum .....             | 3   |
| XXX-XXX   | Any Business Electives .....    | 4   |

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**Technical Component**


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**10 credits required**

Select courses related to one area of technology that relates to your selected professional core. Courses may be selected from construction, graphic arts management, information systems, logistics management, loss control, packaging, quality management, training, retail management, hospitality and tourism management or others with approval of the program director.

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**Electives**


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**2-3 credits required**

# Hotel, Restaurant and Tourism Management

Darrel Van Loenen, Program Director, 405 Home Economics Building, 715/232-2543

## Introduction

Hotel, restaurant and tourism management is one of the largest and fastest growing industries in the United States. Each year, leisure time increases for thousands of Americans, and the demands on the hospitality industry are growing. Existing lodging and dining facilities are expanding and new businesses are developing to accommodate the increased demand for hospitality services.

UW-Stout's Hotel, Restaurant and Tourism Management majors receive a variety of training. The program includes studies in general education to provide students a flexible background, enabling them to adapt to a wide variety of situations in today's rapidly changing society. A choice of concentrations, minors, or professional selectives provides students with flexibility to pursue a specialized field of study. The four-year curriculum is designed to prepare competent, creative and responsible managers. Graduates are employed in the hospitality food and beverage industry, hotels and tourism facilities.

## General Requirements

### Bachelor of Science Degree

|                            |             |
|----------------------------|-------------|
| Total for graduation ..... | 124 credits |
| General Education .....    | 42 credits  |
| Major Studies .....        | 82 credits  |

The student must fulfill the English adequacy and speech proficiency requirements prescribed by the respective departments. A "C-" (1.67) or better is required for each course in the major studies.

A 2.5 grade point average is required for graduation.

## Program Requirements

### General Education

**42 credits required**

#### A. Communication Skills **8 credits**

|           |                                                          |   |
|-----------|----------------------------------------------------------|---|
| ENGL-101  | Freshman English – Composition <i>or</i>                 |   |
| ENGL-111  | Freshman English – Honors I .....                        | 3 |
| ENGL-102  | Freshman English – Reading and Related Writing <i>or</i> |   |
| ENGL-112  | Freshman English – Honors II .....                       | 3 |
| SPCOM-100 | Fundamentals of Speech .....                             | 2 |

#### B. Analytic Reasoning **6 credits**

|          |                                                           |   |
|----------|-----------------------------------------------------------|---|
| STAT-130 | Elementary Statistics .....                               | 2 |
| MATH-118 | Concepts of Mathematics ( <i>or more advanced</i> ) ..... | 4 |

#### C. Health and Physical Education **2 credits**

*Courses must be from areas of health, physical education or nutrition.*

#### D. Humanities and the Arts **9 credits**

*Courses must be from three or more areas including art history, creative arts, foreign language and culture, history, literature, music appreciation, performing arts and philosophy.*

#### E. Social and Behavioral Sciences **9 credits**

|          |                                 |   |
|----------|---------------------------------|---|
| ECON-210 | Principles of Economics I ..... | 3 |
|----------|---------------------------------|---|

*Remaining courses must be from two or more areas including anthropology, geography, political science, psychology and sociology.*

#### F. Natural Sciences (with Lab) **4 credits**

#### G. Technology **2 credits**

#### H. General Education Electives **2 credits**

*Course(s) must come from categories A, B, D, E or F.*

**Major Studies****82 credits required****Management****13 credits**

|           |                                              |   |
|-----------|----------------------------------------------|---|
| HT-100    | Introduction to Hospitality .....            | 1 |
| HT-200    | Hospitality Organization Management .....    | 3 |
| HT-251    | Hospitality Marketing and Sales .....        | 3 |
| HT-XXX    | Hospitality Business Strategies .....        | 3 |
| TRHRD-360 | Training Systems in Business and Industry or |   |
| PSYC-382  | Human Resource Management .....              | 3 |

**Food Service Management****12 credits**

|         |                                                 |   |
|---------|-------------------------------------------------|---|
| BIO-206 | Food Service and Environmental Sanitation ..... | 1 |
| FN-124  | Foods .....                                     | 4 |
| HT-324  | Quantity Food Production .....                  | 4 |
| HT-426  | Restaurant Operational Management .....         | 3 |

**Lodging Management****6 credits**

|        |                          |   |
|--------|--------------------------|---|
| HT-135 | Lodging Systems .....    | 3 |
| HT-335 | Lodging Operations ..... | 3 |

**Tourism****5 credits**

|        |                                  |   |
|--------|----------------------------------|---|
| HT-140 | Introduction to Tourism .....    | 2 |
| HT-240 | Tourism Goods and Services ..... | 3 |

**Professional Communications****5 credits**

|          |                            |   |
|----------|----------------------------|---|
| ENGL-320 | Business Writing .....     | 3 |
| XXX-XXX  | Any Foreign Language ..... | 2 |

**Financial Management****12 credits**

|           |                                                               |   |
|-----------|---------------------------------------------------------------|---|
| BUACT-206 | Introduction to Financial Accounting .....                    | 3 |
| HT-361    | Hospitality and Tourism Accounting .....                      | 3 |
| HT-362    | Food, Beverage and Labor Cost Controls .....                  | 3 |
| HT-462    | Hospitality – Financial Analysis, Budget and Forecasting .... | 3 |

**Computer Application Skills****3 credits**

|        |                                      |   |
|--------|--------------------------------------|---|
| HT-353 | Computer Systems for Food Service or |   |
| HT-XXX | Yield Management .....               | 3 |

**Law****5 credits**

|        |                                                           |   |
|--------|-----------------------------------------------------------|---|
| HT-460 | Hospitality Industry Law and Liability .....              | 3 |
| HT-461 | Hospitality Industry – Employee and Labor Relations ..... | 2 |

**Work Experience****2 credits**

*Must have completed 60 credit hours before work experience can be completed.*

|        |                                        |   |
|--------|----------------------------------------|---|
| HT-498 | Field Experience or                    |   |
| HT-449 | Cooperative Education Experience ..... | 2 |

**Concentration, Minor or Professional Selectives****19 credits required**

*Students complete the degree with a concentration, a minor, and/or professional selectives chosen in consultation with the program director.*

**Lodging Management****14 credits**

|        |                                                             |   |
|--------|-------------------------------------------------------------|---|
| HT-330 | Resort Planning and Operation .....                         | 3 |
| HT-351 | Hospitality Convention/Meeting Planning .....               | 2 |
| HT-383 | Yield Management .....                                      | 3 |
| HT-XXX | Security and Risk Management for Hospitality Industry ..... | 3 |

**Food Service Management****12 credits**

|        |                                             |   |
|--------|---------------------------------------------|---|
| FN-106 | Nutrition in the Hospitality Industry ..... | 2 |
| HT-150 | Institutional Food Purchasing .....         | 2 |
| HT-326 | Introduction to Wines and Spirits .....     | 3 |
| HT-353 | Computers in Food Services .....            | 3 |
| HT-424 | Catering .....                              | 2 |

**Tourism Planning and Development****9 credits**

|        |                                                |   |
|--------|------------------------------------------------|---|
| HT-340 | Development of Tourism Attractions .....       | 3 |
| HT-351 | Hospitality Convention/Meeting Planning .....  | 2 |
| HT-360 | Hospitality and the Handicapped Traveler ..... | 1 |
| HT-440 | Sociocultural Systems of Tourism .....         | 3 |

**International Hospitality Management****18 credits**

|                                                        |    |
|--------------------------------------------------------|----|
| A single foreign language .....                        | 6  |
| One semester in an approved study abroad program ..... | 12 |

**Property Management****13 credits**

|           |                                           |   |
|-----------|-------------------------------------------|---|
| BULGL-365 | Principles of Real Estate .....           | 2 |
| HT-270    | Introduction to Property Management ..... | 3 |
| HT-XXX    | Commercial Property Management .....      | 3 |
| HT-470    | Seminar in Property Management .....      | 2 |
| HT-XXX    | Timeshare Administration .....            | 3 |

# Human Development and Family Studies

Robin Muza, Program Director, 122 Home Economics Building, 715/232-1115

## Introduction

The Human Development and Family Studies program is the study of human development and family life in which child, family and community are viewed as interrelated. A multidisciplinary approach provides content and theory to enhance the understanding of people and to develop creative approaches to serving them. Graduates of the program locate positions in family life education, human services and agency-related employment settings, in addition to being prepared for advanced study.

The program integrates academic study with significant experiential learning with children, families and community groups. Students are involved in observation/participation, field experience, independent study and practicum throughout the program. Hospitals, human service agencies, community groups, adolescent group homes and homes for senior citizens provide opportunities for the synthesis of practical and theoretical knowledge.

## General Requirements

### Bachelor of Science Degree

|                              |             |
|------------------------------|-------------|
| Total for graduation .....   | 124 credits |
| General Education .....      | 48 credits  |
| Major Studies .....          | 49 credits  |
| Concentration or minor ..... | 22 credits  |
| Electives .....              | 5 credits   |

Students must have a cumulative grade point average of 2.5 within the major studies for graduation and to register for the practicum experience.

## Program Requirements

### General Education

**48 credits required**

#### A. Communication Skills

**8 credits**

|           |                                                   |   |
|-----------|---------------------------------------------------|---|
| ENGL-101  | Freshman English – Composition or                 |   |
| ENGL-111  | Freshman English – Honors I .....                 | 3 |
| ENGL-102  | Freshman English – Reading and Related Writing or |   |
| ENGL-112  | Freshman English – Honors II .....                | 3 |
| SPCOM-100 | Fundamentals of Speech .....                      | 2 |

#### B. Analytic Reasoning

**6 credits**

*Courses must be from areas including math, logic, statistics and computer science.*

#### C. Health and Physical Education

**2 credits**

*Courses must be from areas of health, physical education or nutrition.*

#### D. Humanities and the Arts

**9 credits**

*Courses must be from three or more areas including art history, creative arts, foreign language and culture, history, literature, music appreciation, performing arts and philosophy.*

#### E. Social and Behavioral Sciences

**15 credits**

|          |                              |   |
|----------|------------------------------|---|
| POLS-210 | American Government .....    | 3 |
| SOC-110  | Introductory Sociology ..... | 3 |
| PSYC-110 | General Psychology .....     | 3 |

*Remaining 6 credits can be taken from anthropology, economics, geography, political science, psychology and sociology.*

#### F. Natural Sciences (with Lab)

**4 credits**

#### G. Technology

**2 credits**

#### H. General Education Electives

**2 credits**

*Courses must come from categories A, B, D, E and F.*

## Major Studies

**49 credits required**

|          |                                                                     |   |
|----------|---------------------------------------------------------------------|---|
| HDFL-101 | Introduction to Human Development and Family Studies .....          | 1 |
| HDFL-115 | Individual and Family Relations* .....                              | 3 |
| HDFL-124 | Human Development: Early Childhood* .....                           | 3 |
| HDFL-215 | Dynamics of Family Development* .....                               | 3 |
| HDFL-225 | Skill Training for Individual/Family Interventions* .....           | 3 |
| HDFL-264 | Child Guidance* .....                                               | 3 |
| HDFL-325 | Human Development: Mid-Childhood/Adolescence* .....                 | 3 |
| HDFL-330 | Human Development: Early/Middle Adulthood* .....                    | 3 |
| HDFL-335 | Seminar – The Culturally Distinct Child and Family* .....           | 2 |
| HDFL-336 | Experience: The Culturally Distinct Child and Family .....          | 1 |
| HDFL-340 | Human Development: Late Adulthood* .....                            | 3 |
| HDFL-345 | Family Health Care/Dilemmas and Decisions for Families* .....       | 2 |
| HDFL-360 | The Workplace and the Family* .....                                 | 2 |
| HDFL-365 | Family Resource Management* .....                                   | 2 |
| HDFL-420 | Family Research and Methodology* .....                              | 3 |
| HDFL-450 | Family Policy* .....                                                | 3 |
| HDFL-456 | Abuse and the Family .....                                          | 3 |
| HDFL-490 | Professional Issues in Human Development and Family Studies * ..... | 2 |
| HDFL-491 | Practicum in Human Development and Family Studies* .....            | 4 |

*\* Required to become a Certified Family Life Educator by the National Council on Family Relations. Additional required courses: HDFL-313 Parent Education, FCSE-451 Family Life Education Programs.*

## Concentration, Certification or Minor

**22 credits required**

*Students complete the degree with selectives chosen in consultation with the program director, or any minor, pages 80 to 86, in consultation with the adviser.*

## Electives

**5 credits required**

# Industrial Management

Wendy Dittmann, Program Director, 270 Jarvis Hall – Technology Wing, 715/232-1372

## Introduction

Developed in response to place-bound professionals' need for additional education, the Bachelor of Science degree in Industrial Management is a collaborative effort between the UW Colleges, Wisconsin Technical Colleges, Dunwoody Institute in Minneapolis, and UW-Stout. The program offers evening and weekend classes using a variety of distance education methods, opportunity to build on previously completed technical education, and preparation for management and leadership challenges. Students prepare for managerial and leadership opportunities and increase salary potential in addition to growing personally and professionally in the breadth and depth of knowledge attained through previous education and experience.

An Associate of Applied Science or Associate of Science degree in a technical field is suggested. Students should possess two or more years of technical work experience; be willing to travel to receiver sites for live, interactive teleconferences/courses; and have Internet access (*through home, employer or local institution*) for Web-based instruction.

## General Requirements

### Bachelor of Science Degree

|                                                                |                     |
|----------------------------------------------------------------|---------------------|
| Total for graduation .....                                     | 124 credits         |
| General Education .....                                        | 42 credits          |
| Major Studies .....                                            | 42 credits          |
| Completed AAS or AS degree ( <i>Technical Emphasis</i> ) ..... | 40 transfer credits |

## Program Requirements

### General Education

**42 credits required**

#### A. Communication Skills

**8 Credits**

|           |                                                          |   |
|-----------|----------------------------------------------------------|---|
| ENGL-101  | Freshman English – Composition <i>or</i>                 |   |
| ENGL-111  | Freshman English – Honors I .....                        | 3 |
| ENGL-102  | Freshman English – Reading and Related Writing <i>or</i> |   |
| ENGL-112  | Freshman English – Honors II .....                       | 3 |
| SPCOM-100 | Fundamentals of Speech .....                             | 2 |

#### B. Analytic Reasoning

**6 Credits**

|          |                                                                      |   |
|----------|----------------------------------------------------------------------|---|
| STAT-130 | Elementary Statistics .....                                          | 2 |
| MATH-120 | Introductory College Mathematics I ( <i>or more advanced</i> ) ..... | 4 |

#### C. Health and Physical Education

**2 Credits**

*Courses must be from areas of health, physical education or nutrition.*

#### D. Humanities and the Arts

**9 Credits**

*Courses must be from three or more areas including art history, creative arts, foreign language and culture, history, literature, music appreciation, performing arts and philosophy.*

#### E. Social and Behavioral Sciences

**9 Credits**

|                                                                                                                                         |                                 |   |
|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---|
| ECON-201                                                                                                                                | General Economics <i>or</i>     |   |
| ECON-210                                                                                                                                | Principles of Economics I ..... | 3 |
| <i>Remaining courses must be from two or more areas including anthropology, geography, political science, psychology and sociology.</i> |                                 |   |

#### F. Natural Sciences (with Lab)

**4 Credits**

#### G. Technology

**2 Credits**

#### H. General Education Electives

**2 Credits**

*Course(s) must come from categories A, B, D, E or F.*

### Major Studies

**42 credits required**

|           |                                                 |   |
|-----------|-------------------------------------------------|---|
| INMGT-100 | Introduction to Industrial Management .....     | 1 |
| INMGT-120 | Quality Concepts .....                          | 3 |
| INMGT-200 | Production/Operations Management .....          | 3 |
| INMGT-300 | Engineering Economy .....                       | 2 |
| INMGT-400 | Organizational Leadership .....                 | 3 |
| BUACT-201 | Financial-Managerial Accounting .....           | 3 |
| INMGT-305 | Product and Inventory Control .....             | 3 |
| INMGT-320 | Quality Tools .....                             | 3 |
| INMGT-365 | Project Management .....                        | 2 |
| INMGT-370 | Issues Seminar .....                            | 2 |
| INMGT-460 | Industrial Management .....                     | 2 |
| RC-381    | Occupational Safety/Loss Control .....          | 3 |
| BUMGT-116 | Fundamentals of Business .....                  | 3 |
| TRHRD-360 | Training Systems in Business and Industry ..... | 3 |
| ENGL-415  | Technical Writing <i>or</i>                     |   |
| ENGL-346  | Research Report Writing .....                   | 3 |

**Selective** (3 credits required)

*Choose from a list of selectives suggested by program director. If student has no professional/technical experience, INMGT-449 Cooperative Education Experience is required.*

# Marketing and Business Education

Urs Haltinner, Program Director, 132 Communication Technologies Building, 715/232-1493

## Introduction

The field of marketing and business requires training for owners, managers and employees engaged primarily in marketing goods and services. Marketing and Business Education at UW-Stout provides the teachers to train the work force.

The disciplines of marketing and business contribute significantly to the intellectual and career development in an age of innovation and invention. Teachers graduating with this major are prepared to teach marketing and business education at the secondary and/or post-secondary levels. Many graduates enter positions in business and industry.

Students are certified for Marketing Education with 124 degree credits. Certification in both Marketing and Business Education is earned with 19 credits of additional courses and student teaching experience.

## General Requirements Bachelor of Science Degree

|                            |                   |
|----------------------------|-------------------|
| Total for graduation ..... | 124 - 143 credits |
| General Education .....    | 42 credits        |
| Major Studies .....        | 82 - 101 credits  |

Although it is not a requirement for graduation, students should be aware of the fact that they must acquire a minimum of 4,000 hours of occupational experience before they can be certified to teach marketing education in Wisconsin and Minnesota.

Students must fulfill the English adequacy and speech proficiency requirements. Students enter the program with "pre-education" status. Earning a 2.75 or better grade point average and passing the Preprofessional Skills Test will formally move them into the Marketing Education program.

Participation in Collegiate DECA is required.

|                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Note:</b> Students are required to maintain a 2.75 grade point average throughout the marketing education program.</p> |
|------------------------------------------------------------------------------------------------------------------------------|

## Program Requirements

### General Education

**42 credits required**

#### A. Communication Skills\* **8 credits**

|           |                                                   |   |
|-----------|---------------------------------------------------|---|
| ENGL-101  | Freshman English – Composition or                 |   |
| ENGL-111  | Freshman English – Honors I .....                 | 3 |
| ENGL-102  | Freshman English – Reading and Related Writing or |   |
| ENGL-112  | Freshman English – Honors II .....                | 3 |
| SPCOM-100 | Fundamentals of Speech .....                      | 2 |

\* Grade point of 2.0 (C) or better is required in each course prior to student teaching.

#### B. Analytic Reasoning **6 credits**

|          |                       |   |
|----------|-----------------------|---|
| MATH-XXX | Any Mathematics ..... | 4 |
|----------|-----------------------|---|

Remaining courses must be from areas including math, logic, statistics and computer science.

#### C. Health and Physical Education **2 credits**

Courses must be from areas of health, physical education or nutrition.

#### D. Humanities and the Arts **9 credits**

|          |                      |   |
|----------|----------------------|---|
| LIT-XXX  | Any Literature ..... | 3 |
| HIST-210 | Modern World .....   | 3 |

Remaining courses must be from areas including art history, creative arts, foreign language and culture, history, literature, music appreciation, performing arts and philosophy.

#### E. Social and Behavioral Sciences \*\* **9 credits**

|          |                                 |   |
|----------|---------------------------------|---|
| ECON-210 | Principles of Economics I ..... | 3 |
| POLS-210 | Government .....                | 3 |
| PSYC-110 | General Psychology .....        | 3 |

#### F. Natural Sciences (with Lab) **4 credits**

Choose a biology course, and either a chemistry or physics course.

#### G. Technology **2 credits**

|         |                                                               |   |
|---------|---------------------------------------------------------------|---|
| TCS-103 | Communications and Information Technology (recommended) ..... | 3 |
|---------|---------------------------------------------------------------|---|

#### H. General Education Electives \*\* **2 credits**

Courses must come from categories A, B, D, E and F.

\*\* If students take ECON-215 Principles of Economics II as an elective, they meet the requirements for a Business Administration minor. ECON-215 is required for the Business Education certification.

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**Major Studies**


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**82 - 101 credits required**

|           |                                                                                |      |
|-----------|--------------------------------------------------------------------------------|------|
| BUACT-206 | Introduction to Financial Accounting .....                                     | 3    |
| BUACT-207 | Introduction – Corporate and Managerial Accounting .....                       | 3    |
| BUINB-260 | International Business <i>or</i>                                               |      |
| BUINB-485 | International Marketing .....                                                  | 3    |
| BULGL-318 | Business Law I .....                                                           | 3    |
| BUMGT-304 | Principles of Management .....                                                 | 3    |
| BUMIS-333 | Management Information Systems .....                                           | 3    |
| BUMKT-330 | Principles of Marketing .....                                                  | 3    |
| BUMKT-334 | Salesmanship and Sales Management .....                                        | 3    |
| BUMKT-370 | Principles of Advertising.....                                                 | 3    |
| BUMKG-479 | Marketing Research .....                                                       | 3    |
| CTE-302   | Principles of Vocational, Technical and Adult Education.....                   | 2    |
| CTE-360   | Cooperative Occupational Education Programs .....                              | 2    |
| ECON-215  | Economics II ** .....                                                          | 3    |
| EDUC-303  | Educational Psychology .....                                                   | 3    |
| EDUC-326  | Foundations of Education .....                                                 | 2    |
| EDUC-336  | Multiculturalism: Issues and Perspectives .....                                | 2    |
| EDUC-376  | Field Experience — Cross Cultural Experience .....                             | 1    |
| EDUC-382  | Secondary Reading and Language Development .....                               | 2    |
| INMGT-400 | Organizational Leadership.....                                                 | 3    |
| MEBE-101  | Introduction to Marketing Education .....                                      | 3    |
| MEBE-202  | Supervision of Business and<br>Marketing Education Student Organizations ..... | 3    |
| MEBE-301  | Marketing Education Methods .....                                              | 3-4  |
| MEBE-311  | Marketing Education Project Method .....                                       | 2    |
| MEBE-312  | Pre-Clinical Experience: Marketing Education .....                             | 1    |
| MEBE-401  | Marketing Education Curriculum .....                                           | 2-3  |
| MEBE-409  | Marketing Education _ Student Teaching * .....                                 | 8-16 |
| MEBE-355  | Marketing and Business Education Seminar .....                                 | 3    |
| MEBE-411  | Business Education Methods and Curriculum .....                                | 5    |
| MEBE-419  | Business Education Student Teaching * .....                                    | 8    |
| MEDIA-365 | Integrated Software for Instruction .....                                      | 3    |
| MEDIA-366 | Integrated Media Applications for Instruction .....                            | 3    |
| SPED-430  | Inclusion of Students With Exceptional Needs .....                             | 3    |
| TCS-305   | Office Automation Technology .....                                             | 3    |

*\* 16 credits of MEBE-409 are required if student opts for Marketing Education certification only. For Marketing and Business Education certification, students take 8 credits of both Business Education and Marketing Education student teaching.*

*\*\* ECON-215 Economics II results in a Business Education minor.*

# Packaging

Ken Neuburg, Program Director, 281F Jarvis Hall – Technology Wing, 715/232-1246

## Introduction

A packaging career today requires a thorough knowledge of materials, methods, design concepts, and machinery to develop and produce the packages that protect and preserve a product, help market the product and instruct the consumer in its proper use. UW-Stout's Bachelor of Science degree program in Packaging prepares students for technical or management responsibilities in the packaging industry to meet these needs. The program places strong emphasis on the application of theory to strengthen problem solving abilities and challenges students by providing opportunities to solution "real" packaging industry problems in classroom/laboratory settings.

The trend in the packaging industry is to hire employees who can function in more than one area at career entry. UW-Stout's Packaging program recognizes this trend by offering the student several "emphasis" options which include course and laboratory work beyond the technical core of the program. This distinguishing feature allows students to draw on other well-recognized programs offered at UW-Stout: graphic arts, graphic design, food science, business and sales, quality and manufacturing, and packaging research and development.

With the quantity and variety of products produced in the world, it is easy to understand that packaging is a dynamic multibillion dollar industry in need of well educated men and women. UW-Stout's Packaging graduates are positioned advantageously for entry into the expanding and evolving packaging industry, as well as for further studies in the field of packaging.

## General Requirements

### Bachelor of Science Degree

|                            |       |
|----------------------------|-------|
| Total for graduation ..... | 124   |
| General Education .....    | 54    |
| Major Studies .....        | 55    |
| Emphasis .....             | 15-16 |

## Program Requirements

### General Education

**54 credits required**

#### A. Communication Skills **10 credits**

|                                                                     |   |
|---------------------------------------------------------------------|---|
| ENGL-101 Freshman English – Composition <i>or</i>                   |   |
| ENGL-111 Freshman English – Honors I .....                          | 3 |
| ENGL-102 Freshman English – Reading and Related Writing <i>or</i>   |   |
| ENGL-112 Freshman English – Honors II .....                         | 3 |
| SPCOM-100 Fundamentals of Speech .....                              | 2 |
| <i>From the approved list of General Education courses, select:</i> |   |
| SPCOM-XXX Any advanced speech <i>or</i>                             |   |
| XXX-XXX Any foreign language .....                                  | 2 |

#### B. Analytic Reasoning **6 credits**

|                                      |   |
|--------------------------------------|---|
| STAT-130 Elementary Statistics ..... | 2 |
| MATH-153 Calculus I .....            | 4 |

#### C. Health and Physical Education **2 credits**

*Courses must be from areas of health, physical education or nutrition.*

#### D. Humanities and the Arts **9 credits**

*Courses must be from three or more areas including art history, creative arts, foreign language and culture, history, literature, music appreciation, performing arts and philosophy.*

#### E. Social and Behavioral Sciences **9 credits**

|                                                                                                                                                |   |
|------------------------------------------------------------------------------------------------------------------------------------------------|---|
| ECON-201 General Economics <i>or</i>                                                                                                           |   |
| ECON-210 Principles of Economics I .....                                                                                                       | 3 |
| <i>Remaining courses must be from at least two other areas including anthropology, geography, political science, psychology and sociology.</i> |   |

#### F. Natural Sciences (with Lab) **16 credits**

|                                                                |    |
|----------------------------------------------------------------|----|
| CHEM-115 General Chemistry <i>or</i>                           |    |
| CHEM-125 Principles of Chemistry for Health Sciences <i>or</i> |    |
| CHEM-135 College Chemistry I .....                             | 5  |
| <i>Select one Physics sequence:</i>                            |    |
| PHYS-231 General Physics I <i>and</i>                          |    |
| PHYS-232 General Physics II .....                              | 8  |
| PHYS-241 College Physics I <i>and</i>                          |    |
| PHYS-242 College Physics II .....                              | 10 |
| PHYS-281 University Physics I <i>and</i>                       |    |
| PHYS-282 University Physics II .....                           | 10 |

*Select 3 credits from:*

|                                                               |   |
|---------------------------------------------------------------|---|
| BIO-XXX Any approved General Education Biology elective ..... | 3 |
|---------------------------------------------------------------|---|

#### G. Technology **2 credits**

### Major Studies

**55 credits required**

|                                                                    |     |
|--------------------------------------------------------------------|-----|
| GCM-141 Graphic Communications and Electronic Publishing <i>or</i> |     |
| ELEC -204 Electricity/Electronics Fundamentals .....               | 3   |
| INMGT-120 Quality Concepts .....                                   | 3   |
| INMGT-200 Production/Operations Management .....                   | 3   |
| INMGT-300 Engineering Economy .....                                | 2-3 |
| INMGT-400 Organizational Leadership .....                          | 3   |
| MFGT-110 Materials and Manufacturing Processes I .....             | 3   |
| PKG-150 Packaging Fundamentals .....                               | 2   |
| PKG-200 Packaging Materials .....                                  | 3   |
| MFGT-340 Plastics Processing .....                                 | 3   |
| PKG-250 Consumer Packaging Systems .....                           | 3   |
| PKG-260 Distribution Packaging .....                               | 3   |
| PKG-335 Packaging Machinery .....                                  | 3   |
| PKG-350 Packaging Design and Evaluation .....                      | 3   |
| PKG-490 Packaging Development .....                                | 3   |
| PKG-495 Packaging Seminar .....                                    | 2   |
| CADD-112 Principles of Engineering Drawing .....                   | 3   |
| RD-205 Design for Industry <i>or</i>                               |     |
| ART-101 Fundamentals of Design .....                               | 3   |
| CADD-234 Computer Assisted Design and Drafting .....               | 2   |
| ENGL-415 Technical Writing <i>or</i>                               |     |
| ENGL-346 Research Reporting .....                                  | 3   |

*Select 2 credits from:*

|                                         |   |
|-----------------------------------------|---|
| BIO-XXX Any Environmental Science ..... | 2 |
|-----------------------------------------|---|

*Optional:*

|                                                |     |
|------------------------------------------------|-----|
| PKG-X49 Cooperative Education Experience ..... | 1-2 |
|------------------------------------------------|-----|



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**Emphasis**


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**15-16 credits required**


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Select an emphasis to meet your career objectives.

**Packaging Graphic Design**

|          |                                      |     |
|----------|--------------------------------------|-----|
| ART-100  | Drawing I .....                      | 3   |
| ARTH-222 | Introduction to Art <i>or</i>        |     |
| DES-205  | Presentation Techniques .....        | 3   |
| DES-200  | Design Theory and Methods .....      | 3   |
| DES-310  | Graphic Design I .....               | 3   |
| DES-360  | Graphic Design II .....              | 3   |
| DES-410  | Product and Packaging Graphics ..... | 3   |
| PKG-X49  | Packaging Co-op .....                | 1-3 |

**Manufacturing/Quality**

|           |                                            |   |
|-----------|--------------------------------------------|---|
| INMGT-220 | Quality Systems – Service Industries ..... | 3 |
| INMGT-320 | Quality Tools .....                        | 3 |
| INMGT-325 | Quality Management .....                   | 3 |

Select 9 credits from the following:

|           |                                     |     |
|-----------|-------------------------------------|-----|
| INMGT-305 | Product and Inventory Control ..... | 3   |
| INMGT-330 | Material Handling .....             | 3   |
| INMGT-340 | Time and Motion Study .....         | 3   |
| INMGT-350 | Facilities Planning .....           | 3   |
| BUACT-410 | Manufacturing Cost Analysis .....   | 3   |
| PKG-X49   | Packaging Co-op .....               | 1-3 |

**Packaging Design Research and Development**

Take one of the following 6 credit blocks:

|          |                                              |     |
|----------|----------------------------------------------|-----|
| MECH-290 | Mechanics of Solids I <i>or</i>              |     |
| PHYS-331 | Statics .....                                | 3   |
| MECH-291 | Mechanics of Solids II <i>or</i>             |     |
| PHYS-325 | Strength of Materials .....                  | 3   |
| PHYS-321 | Statics and Strength <i>and</i>              |     |
| CADD-436 | Computer Design Problems .....               | 6   |
| RD-320   | Prototype Development and Model Making ..... | 3   |
| MECH-392 | Mechanics of Machinery I <i>or</i>           |     |
| MECH-333 | Dynamics .....                               | 3   |
| RD-420   | Research and Development <i>and</i>          |     |
| RD-421   | Research and Development Laboratory .....    | 3   |
| CHEM-341 | Chemistry of Materials .....                 | 4   |
| PKG-X49  | Packaging Co-op .....                        | 1-3 |

**Package Printing**

|         |                                                                 |     |
|---------|-----------------------------------------------------------------|-----|
| GCM-151 | Electronic and Conventional Prepress .....                      | 3   |
| GCM-266 | Press Systems .....                                             | 4   |
| GCM-270 | Postpress Operations and Distribution .....                     | 3   |
| GCM-356 | Color Electronic Prepress .....                                 | 2   |
| GCM-475 | Graphic Communications Cost Estimating .....                    | 3   |
| GCM-343 | Graphic Communications Integrated Manufacturing Practicum ..... | 3   |
| GCM-363 | Package Printing .....                                          | 3   |
| PKG-X49 | Packaging Co-op .....                                           | 1-3 |

**Business/Sales**

|           |                                                                     |     |
|-----------|---------------------------------------------------------------------|-----|
| BUACT-200 | Financial – Managerial Accounting: Engineering Technology <i>or</i> |     |
| BUACT-206 | Introduction to Financial Accounting .....                          | 2-3 |
| BUMGT-304 | Principles of Management .....                                      | 3   |
| BUMKG-330 | Principles of Marketing .....                                       | 3   |
| BUMIS-333 | Management Information Systems-Decision Support Systems .....       | 3   |
| BUMKG-334 | Salesmanship and Sales Management .....                             | 3   |
| PKG-X49   | Packaging Co-op .....                                               | 1-3 |

**Foods/Packaging**

|        |                       |   |
|--------|-----------------------|---|
| FN-240 | Food Science .....    | 4 |
| FN-342 | Advanced Foods .....  | 3 |
| FN-350 | Food Processing ..... | 3 |

Select 6 credits from the following:

|          |                                      |     |
|----------|--------------------------------------|-----|
| FN-442   | Basic Sensory Analysis .....         | 3   |
| FN-410   | Food Policy Regulation and Law ..... | 3   |
| FN-450   | Food Engineering .....               | 3   |
| BIO-406  | Food Microbiology .....              | 3   |
| CHEM-315 | Food Chemistry .....                 | 3   |
| PKG-X49  | Packaging Co-op .....                | 1-3 |

# Psychology

Richard Tafalla, Program Director, 326 Education and Human Services Building, 715/232-1662

## Introduction

The discipline of Psychology is the systematic study of thought, emotions and behavior of human beings. The B.A. in Psychology at UW-Stout has, as an overriding goal, a focus on application of theories, methods and concepts for the improved condition of people in a variety of environments. The program has been designed to adhere to the American Psychological Association standards for undergraduate education that emphasizes the scientific aspects of the profession as well as the liberal arts goals of Psychology. Students acquire competencies that lead to employment wherever psychology is applied in education institutions, public and private agencies, business and industry. In addition to the major study, all students are expected to develop literacy in the arts, humanities, natural sciences and social sciences. Each student is also expected to develop and demonstrate effective communication and quantitative skills as a part of the program's requirements.

Students are guided and assisted in developing a personal program plan centered on their individual needs and career goals. With careful planning, students may include self-planned concentrations with a more focused emphasis in one of a variety of unique career paths in psychology. Students entering the program should realize that they may need to obtain graduate level education or other advanced training for certain careers as practicing professional psychologists.

## General Requirements

### Bachelor of Arts Degree

|                                              |               |
|----------------------------------------------|---------------|
| Total for graduation .....                   | 120 credits   |
| General Education .....                      | 42 credits    |
| Major Studies .....                          | 40 credits    |
| Minor or second area of depth .....          | 13-22 credits |
| Additional Liberal Studies Requirement ..... | 14 credits    |
| Electives .....                              | 6 credits     |

Students must attain a minimum grade point average of 2.25 in required courses for the major and a minimum grade point average of 2.5 in other courses for the major.

## Program Requirements

### General Education

42 credits required

#### A. Communication Skills 8 credits

|                                                            |   |
|------------------------------------------------------------|---|
| ENGL-101 Freshman English – Composition or                 |   |
| ENGL-111 Freshman English – Honors I .....                 | 3 |
| ENGL-102 Freshman English – Reading and Related Writing or |   |
| ENGL-112 Freshman English – Honors II .....                | 3 |
| SPCOM-100 Fundamentals of Speech .....                     | 2 |

#### B. Analytic Reasoning 6 credits

|                                                                      |   |
|----------------------------------------------------------------------|---|
| STAT-130 Elementary Statistics (or more advanced) .....              | 2 |
| STAT-120 Introductory College Mathematics I (or more advanced) ..... | 4 |

#### C. Health and Physical Education 2 credits

Courses must be from areas of health, physical education or nutrition.

#### D. Humanities and the Arts 9 credits

Courses must be from three or more areas including art history, creative arts, foreign language and culture, history, literature, music appreciation, performing arts and philosophy.

#### E. Social and Behavioral Sciences 9 credits

Courses must be from three or more areas including anthropology, economics, geography, political science, psychology and sociology.

#### F. Natural Sciences (with Lab) 4 credits

#### G. Technology 2 credits

#### H. General Education Electives 2 Credits

Courses must come from categories A, B, D, E and F.

### Major Studies

42 credits required

#### Required Courses 20 credits

|                                                    |   |
|----------------------------------------------------|---|
| PSYC-110 General Psychology .....                  | 3 |
| PSYC-190 Psychological Research Methods .....      | 4 |
| PSYC-210 Introduction to Applied Psychology .....  | 3 |
| PSYC-390 Experimental Psychology .....             | 4 |
| PSYC-320 Psychology: Its History and Systems ..... | 3 |
| PSYC-xxx Interpreting Psychological Research ..... | 3 |

#### Psychology Domains 11-12 credits

Select at least one course from each domain:

##### Learning and Cognition

|                                       |   |
|---------------------------------------|---|
| PSYC-451 Children's Learning .....    | 3 |
| PSYC-330 Psychology of Learning ..... | 3 |
| PSYC-442 Cognitive Processes .....    | 3 |

##### Individual Differences, Personality, Social Processes

|                                                             |   |
|-------------------------------------------------------------|---|
| PSYC-xxx Personality .....                                  | 3 |
| PSYC-270 Social Cognition and Behavior .....                | 3 |
| PSYC-340 Psychology of Individual & Group Differences ..... | 3 |
| PSYC-490 Psychological Measurement .....                    | 3 |

##### Biological Bases

|                                                    |   |
|----------------------------------------------------|---|
| PSYC-432 Perception .....                          | 3 |
| BIO-361 Psychobiology .....                        | 2 |
| PSYC-335 Motivation and Emotion .....              | 3 |
| PSYC-391 Applied Psychophysiological Methods ..... | 3 |

##### Developmental

|                                             |   |
|---------------------------------------------|---|
| PSYC-251 Child Psychology .....             | 3 |
| PSYC-351 Children's Social Reasoning .....  | 3 |
| PSYC-352 Adolescent Psychology .....        | 3 |
| PSYC-372 Psychology of Sex and Gender ..... | 3 |

#### Applied 3-6 credits

Consult with advisor for current list of selectives.

#### Experiential 2 credits

|                                                               |     |
|---------------------------------------------------------------|-----|
| PSYC-X49 Cooperative Education Experience in Psychology ..... | 1-8 |
| PSYC-X98 Psychology Field Experience .....                    | 2   |
| PSYC-480 Individual Research Project I and                    |     |
| PSYC-481 Individual Research Project II .....                 | 1   |
| PSYC-X99 Independent Study** .....                            | 2-3 |

\*\*Must involve research and be approved by the advisor as meeting the requirement of this category.

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**Psychology Selectives**


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*Selectives sufficient to meet minimum of credits for the major.*

|                                                    |   |
|----------------------------------------------------|---|
| PSYC-100 Psychology Semester I – Foundations ..... | 1 |
| XXX-XXX Selectives .....                           |   |

*Consult with advisor for current listing of selectives.*

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**Minor or Second Area of Depth**


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**13-22 credits required**

*Students are expected to take a minor, specialization or self-planned concentration. The self-planned concentration (22-credit minimum) allows students to select course work and learning experiences that relate to a particular area of interest, and must be planned with an adviser and approved by a committee of at least three persons designated by the Psychology Program Committee.*

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**Additional Liberal Studies Requirements**


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*8 credits required*

*Select 5 credits from the following:*

|                              |     |
|------------------------------|-----|
| BIO-XXX Any Biology .....    | 1-4 |
| CHEM-XXX Any Chemistry ..... | 1-5 |
| PHYS-XXX Any Physics .....   | 1-5 |

*Select 3 credits from the following:*

|                            |     |
|----------------------------|-----|
| ENGL-XXX Any Writing ..... | 1-3 |
|----------------------------|-----|

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**Electives**


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**6 credits required**

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# Retail Merchandising and Management

Kathleen Cochran, Program Director, 327 Home Economics Building, 715/232-1365

## Introduction

Retail Merchandising and Management is a program designed to prepare resourceful, creative and competent leaders who understand the retail industry. Students take courses such as sales promotion, accounting, merchandising and distribution as well as communications, English, mathematics, social studies and the humanities. A minor in Business Administration can be included in the requirements of the program. A highlight of the program is a retail practicum or co-op where the student works in retailing. Optional experiences and academic opportunities are also available including study abroad at the American Fashion College in London and a national study tour to retail related industries.

This program provides opportunities for careers such as group manager, store buyer, divisional merchandise manager, resident buyer, operations manager, personnel director, promotion-publicity manager and fashion director. Graduates with the interior decorating concentration may seek employment in retailing, interior studios, consulting or operating their own business.

## General Requirements

### Bachelor of Science Degree

|                            |               |
|----------------------------|---------------|
| Total for graduation ..... | 124 credits   |
| General Education .....    | 42 credits    |
| Major Studies .....        | 24 credits    |
| Concentration .....        | 43-51 credits |
| Electives .....            | 7-15 credits  |

A minimum grade point average of 2.0 is required for graduation.

## Definitions

UW-Stout offers two concentrations that are similar in name. "Interior Design" (B.F.A. in Art) and "Interior Decorating" (B.S. in Retail Merchandising and Management) are different, and offer students a choice of two professional areas.

**Interior decorators** furnish and accessorize existing or planned spaces using knowledge of color, fabrications, interior decoratives and furniture, fixtures and equipment to accommodate each client's individual taste.

The interior decorating concentration in this program provides graduates with business and decorating skills to enter the marketplace in retailing, interiors studios, or their own business, including consulting.

**Interior designers** produce functional and meaningful interior environments (*residential, commercial and public spaces*) by integrating human factors, art and design concepts, space planning, knowledge of architecture, building construction, codes, specifications, materials and furnishings.

The interior design concentration in the Art program, pages 32 to 35, prepares graduates to solve interior design problems, including the initial design and remodeling of structures, as part of an architectural design team or as a consultant.

## Program Requirements

### General Education

**42 credits required**

#### A. Communication Skills

**8 Credits**

|                                                                                                                                                                   |                                                   |   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---|
| ENGL-101                                                                                                                                                          | Freshman English – Composition or                 |   |
| ENGL-111                                                                                                                                                          | Freshman English – Honors I .....                 | 3 |
| ENGL-102                                                                                                                                                          | Freshman English – Reading and Related Writing or |   |
| ENGL-112                                                                                                                                                          | Freshman English – Honors II .....                | 3 |
| SPCOM-100                                                                                                                                                         | Fundamentals of Speech .....                      | 2 |
| <i>A minimum grade of "C" is required in each course. When courses in this category are transferred from other schools, grades as well as credits will apply.</i> |                                                   |   |

#### B. Analytic Reasoning

**6 Credits**

|                                                                                              |                                |   |
|----------------------------------------------------------------------------------------------|--------------------------------|---|
| MATH-XXX                                                                                     | Any approved mathematics ..... | 4 |
| <i>Remaining courses must be from areas of math, logic, statistics and computer science.</i> |                                |   |

#### C. Health and Physical Education

**2 Credits**

*Courses must be from areas of health, physical education or nutrition.*

#### D. Humanities and the Arts

**9 Credits**

*Courses must be from three or more areas including art history, creative arts, foreign language and culture, history, literature, music appreciation, performing arts and philosophy.*

#### E. Social and Behavioral Sciences

**9 Credits**

|                                                                                                                                         |                                 |   |
|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---|
| ECON-210                                                                                                                                | Principles of Economics I ..... | 3 |
| <i>Remaining courses must be from two or more areas including anthropology, geography, political science, psychology and sociology.</i> |                                 |   |

#### F. Natural Sciences (with Lab)

**4 Credits**

#### G. Technology

**2 Credits**

#### H. General Education Electives

**2 Credits**

*Course(s) must come from categories A, B, D, E or F.*

### Major Studies

**24 credits required**

*Students must complete 500 hours of approved and verified retail work experience (with a minimum of 250 hours with any one company) before completing the senior year.*

|                                     |                                                 |   |
|-------------------------------------|-------------------------------------------------|---|
| BUACT-206                           | Introduction to Financial Accounting .....      | 3 |
| BUMKG-330                           | Principles of Marketing .....                   | 3 |
| BURL-222                            | Computer Applications .....                     | 2 |
| BURL-227                            | Basic Merchandising .....                       | 3 |
| BURL-430                            | Merchandise Planning and Control .....          | 4 |
| BURL-327                            | Store Management .....                          | 3 |
| BURL-350                            | Marketing to Aging and Minority Consumers ..... | 2 |
| PSYC-370                            | Interpersonal Effectiveness Training .....      | 2 |
| <i>Select one of the following:</i> |                                                 |   |
| SPCOM-200                           | Persuasive Speaking .....                       | 2 |
| SPCOM-206                           | Discussion .....                                | 2 |
| SPCOM-236                           | Listening .....                                 | 2 |

## Concentrations

**43-51 credits required**

### Fashion Marketing

**50 credits**

|           |                                                              |   |
|-----------|--------------------------------------------------------------|---|
| BUMGT-304 | Principles of Management .....                               | 3 |
| BURTL-222 | Computer Applications .....                                  | 2 |
| BUMKG-346 | Target Marketing .....                                       | 3 |
| BURTL-112 | Trend Forecasting of Apparel/Home Products .....             | 3 |
| BURTL-105 | Introduction to Retail Merchandising and Management .....    | 1 |
| APRL-140  | Textiles .....                                               | 3 |
| APRL-202  | Quality Analysis of Sewn Products .....                      | 3 |
| BURTL-229 | Visual Merchandising .....                                   | 3 |
| BURTL-329 | Fashion Merchandising Promotion .....                        | 3 |
| BURTL-389 | Logistics for Retail Merchandising .....                     | 3 |
| BURTL-319 | International Economic Trends in Textiles and Clothing ..... | 3 |
| BURTL-425 | Current Retail Strategies .....                              | 2 |
| BURTL-426 | Fashion Retailing Practicum .....                            | 4 |
| ECON-215  | Principles of Economics II .....                             | 3 |
| PSYC-382  | Human Resource Management .....                              | 3 |

Select one of the following:

|           |                                                    |   |
|-----------|----------------------------------------------------|---|
| BURTL-417 | Social and Psychological Aspects of Clothing ..... | 3 |
| APRL-411  | History of Fashion .....                           | 3 |

Select one of the following:

|          |                         |   |
|----------|-------------------------|---|
| ENGL-320 | Business Writing .....  | 3 |
| ENGL-415 | Technical Writing ..... | 3 |

Select one of the following:

|           |                                                   |   |
|-----------|---------------------------------------------------|---|
| BURTL-322 | Merchandising and Marketing an Apparel Line ..... | 2 |
| BURTL-335 | Special Topics .....                              | 2 |

### Optional Experience/Opportunities

|           |                                                         |     |
|-----------|---------------------------------------------------------|-----|
| APRL-449  | Retail Cooperative Education Experience .....           | 3-6 |
| BURTL-477 | Study Abroad – American Fashion College in London ..... | 16  |
| BURTL-419 | National Study Tour to Fashion Industries .....         | 1   |

### Electives (8 credits)

A minor in Business Administration is automatic with completion of BUACT-207 Introduction to Corporate and Managerial Accounting in electives.

### Buying/Management

(with a minor in Business Administration)

**48-51 credits**

|           |                                                           |   |
|-----------|-----------------------------------------------------------|---|
| BUACT-207 | Managerial Accounting .....                               | 3 |
| BUMGT-304 | Principles of Management .....                            | 3 |
| BUMIS-333 | Management Information Systems .....                      | 3 |
| BUMKT-436 | Marketing Management .....                                | 3 |
| BUMKT-346 | Target Marketing .....                                    | 3 |
| BURTL-105 | Introduction to Retail Merchandising and Management ..... | 1 |
| BURTL-229 | Visual Merchandising .....                                | 3 |
| BURTL-329 | Fashion Merchandise Promotion .....                       | 3 |
| BURTL-389 | Logistics for Retail Merchandising .....                  | 3 |
| BURTL-417 | Social and Psychological Aspects of Clothing .....        | 3 |
| BURTL-425 | Current Retail Strategies .....                           | 2 |
| BURTL-426 | Fashion Retailing Practicum .....                         | 4 |
| ECON-215  | Principles of Economics II .....                          | 3 |
| PSYC-382  | Human Resource Management .....                           | 3 |

Select one of the following:

|           |                                              |   |
|-----------|----------------------------------------------|---|
| BUINB-260 | Introduction to International Business ..... | 3 |
| BUINB-367 | International Management .....               | 3 |
| BUINB-485 | International Marketing .....                | 3 |

Select one of the following:

|          |                         |   |
|----------|-------------------------|---|
| ENGL-320 | Business Writing .....  | 3 |
| ENGL-415 | Technical Writing ..... | 3 |

Select one of the following:

|           |                                                    |   |
|-----------|----------------------------------------------------|---|
| BURTL-335 | Special Topics .....                               | 2 |
| BURTL-322 | Merchandising and Marketing and Apparel Line ..... | 2 |

### Buyers must take:

|           |                                         |   |
|-----------|-----------------------------------------|---|
| BURTL-490 | Advanced Merchandise Plan Control ..... | 3 |
|-----------|-----------------------------------------|---|

### Optional Experience/Opportunities

|           |                                                         |     |
|-----------|---------------------------------------------------------|-----|
| APRL-449  | Retail Cooperative Education Experience .....           | 3-6 |
| BURTL-477 | Study Abroad – American Fashion College in London ..... | 16  |
| BURTL-419 | National Study Tour to Fashion Industries .....         | 1   |

### Electives (7-10 credits)

### Human Resource Management

**43 credits**

|           |                                                           |   |
|-----------|-----------------------------------------------------------|---|
| BUMGT-304 | Principles of Management .....                            | 3 |
| BUINB-367 | International Management .....                            | 3 |
| BURTL-105 | Introduction to Retail Merchandising and Management ..... | 1 |
| BURTL-329 | Fashion Merchandise Promotion .....                       | 3 |
| BURTL-389 | Logistics for Retail Merchandising .....                  | 3 |
| BURTL-425 | Current Retail Strategies .....                           | 2 |
| BURTL-426 | Fashion Retailing Practicum .....                         | 4 |
| ECON-215  | Principles of Economics II .....                          | 3 |
| TRHRD-360 | Training Systems in Business and Industry .....           | 3 |
| PSYC-382  | Human Resource Management .....                           | 3 |
| INMG-400  | Organizational Leadership .....                           | 3 |
| ECON-421  | Collective Bargaining .....                               | 2 |
| SPCOM-414 | Interviewing .....                                        | 1 |

Select two of the following courses:

|          |                                                    |   |
|----------|----------------------------------------------------|---|
| PSYC-403 | Managing Employee Reward Systems .....             | 3 |
| PSYC-485 | Recruitment and Selection of Human Resources ..... | 3 |
| VTAE-334 | Task Analysis .....                                | 3 |

Select one of the following:

|          |                         |   |
|----------|-------------------------|---|
| ENGL-320 | Business Writing .....  | 3 |
| ENGL-415 | Technical Writing ..... | 3 |

### Optional Experience/Opportunities

|           |                                                         |     |
|-----------|---------------------------------------------------------|-----|
| APRL-449  | Retail Cooperative Education Experience .....           | 3-6 |
| BURTL-477 | Study Abroad - American Fashion College in London ..... | 16  |
| BURTL-419 | National Study Tour to Fashion Industries .....         | 1   |

### Electives (15 credits)

A minor in Business Administration is automatic with completion of BUACT-207 Introduction to Corporate and Managerial Accounting in electives.

### Interior Decorating

**47 credits**

|           |                                                 |   |
|-----------|-------------------------------------------------|---|
| CADD-234  | Computer Assisted Design and Drafting .....     | 2 |
| BURTL-109 | Introduction to Interior Decorating .....       | 3 |
| APRL-145  | Interior Decorating/Design Textiles .....       | 3 |
| BURTL-229 | Visual Merchandising .....                      | 3 |
| BURTL-409 | Interior Decorating Studio (seniors only) ..... | 3 |
| APRL-345  | Textiles for Interiors .....                    | 2 |
| APRL-495  | Historic and Contemporary Fabrics .....         | 3 |
| FCSE-280  | Family Housing .....                            | 3 |
| HT-493    | Commercial and Residential Lighting .....       | 2 |
| ART-101   | Fundamentals of Design .....                    | 3 |
| DES-303   | Interior Design .....                           | 3 |
| DES-314   | Interior Specifications I .....                 | 3 |
| DES-304   | Interior Design II .....                        | 3 |
| DES-205   | Presentation Techniques .....                   | 3 |
| ARTH-333  | Period Furnishings .....                        | 3 |
| ENGL-415  | Technical Writing .....                         | 3 |
| BURTL-335 | Special Topics .....                            | 2 |

### Optional Experience/Opportunities

|           |                                                         |     |
|-----------|---------------------------------------------------------|-----|
| APRL-449  | Retail Cooperative Education Experience .....           | 3-6 |
| BURTL-477 | Study Abroad - American Fashion College in London ..... | 16  |
| BURTL-419 | National Study Tour to Fashion Industries .....         | 1   |

### Electives (11 credits)

# Service Management

Edward Harris, Program Director, 404 Home Economics Building, 715/232-2532

## Introduction

The Service Management program at UW-Stout is the first of its kind in the nation. The major is unique because of its blend of service-specific core courses, for-profit and non-profit concentrations, and the choice of courses from areas of human development and relationships, business and finance, and communication and information technology. The professional core is based upon a strong foundation of arts and sciences.

The core service curriculum is focused upon three learning levels:

1. introductory level courses addressing the role of service in the global economy;
2. functional service area courses; and
3. upper level total service system integration courses.

An applied work experience via a field experience or cooperative education internship is required of each student. Area position titles include customer service operation/management, electronic information center management, human resource management, services quality management, service engineering, and customer relationship management.

## General Requirements

### Bachelor of Science Degree

|                                                                 |             |
|-----------------------------------------------------------------|-------------|
| Total for Graduation .....                                      | 124 credits |
| General Education .....                                         | 42 credits  |
| Professional Components (Major Studies and Concentration) ..... | 82 credits  |

## Program Requirements

### General Education

**42 credits required**

#### A. Communication Skills **8 credits**

|                                                                   |   |
|-------------------------------------------------------------------|---|
| ENGL-101 Freshman English – Composition <i>or</i>                 |   |
| ENGL-111 Freshman English – Honors I .....                        | 3 |
| ENGL-102 Freshman English – Reading and Related Writing <i>or</i> |   |
| ENGL-112 Freshman English – Honors II .....                       | 3 |
| SPCOM-100 Fundamentals of Speech .....                            | 2 |

#### B. Analytic Reasoning **6 credits**

|                                                               |     |
|---------------------------------------------------------------|-----|
| STAT-130 Elementary Statistics <i>or</i>                      |     |
| STAT-320 Statistical Methods .....                            | 2-3 |
| MATH-123 Finite Mathematics ( <i>or more advanced</i> ) ..... | 4   |

#### C. Health and Physical Education **2 credits**

*Courses must be from areas of health, physical education or nutrition.*

#### D. Humanities and the Arts **9 credits**

*Courses must be from three or more areas including art history, creative arts, foreign language and culture, history, literature, music appreciation, performing arts and philosophy.*

#### E. Social and Behavioral Sciences **9 credits**

|                                                                                                                             |   |
|-----------------------------------------------------------------------------------------------------------------------------|---|
| ECON-210 Principles of Economics I <i>or</i>                                                                                |   |
| ECON-201 General Economics .....                                                                                            | 3 |
| <i>Remaining courses must be from two or more areas including anthropology, geography, political science and sociology.</i> |   |

#### F. Natural Science (with Lab) **4 credits**

#### G. Technology **2 credits**

#### H. General Education Electives **2 credits**

*Courses must be from categories A, B, D, E and F.*

### Major Studies

**15-22 credits required**

|                                                                      |     |
|----------------------------------------------------------------------|-----|
| SRVM-111 Introduction to Global Service Management .....             | 2   |
| SRVM-210 Services Operations Management .....                        | 3   |
| SRVM-354 Services Marketing Management .....                         | 3   |
| SRVM-410 Electronic Services Management .....                        | 3   |
| SRVM-367 International Service Management .....                      | 3   |
| SRVM-XXX Field Experience, Cooperative Education or Internship ..... | 1-8 |

### Concentrations

**40-43 credits required**

#### For-Profit Service Sector Organization **40-43 credits**

##### Business and Financial Management

*Students must select at least one course from three of the subject areas.*

|                                                                     |   |
|---------------------------------------------------------------------|---|
| RC-381 Occupational Safety/Loss Control .....                       | 3 |
| INMGT-120 Quality Concepts .....                                    | 3 |
| INMGT-220 Quality Systems-Service Industry .....                    | 3 |
| INMGT-325 Quality Management .....                                  | 3 |
| INMGT-400 Organizational Leadership .....                           | 3 |
| BUACT-206 Introduction to Financial Accounting .....                | 3 |
| BUACT-207 Introduction to Corporate and Managerial Accounting ..... | 3 |
| BUMGT-304 Principles of Management .....                            | 3 |
| BULGL-318 Business Law I .....                                      | 3 |
| BUMKG-330 Principles of Marketing .....                             | 3 |
| BUMIS-333 MIS Decision Support Systems .....                        | 3 |
| BUACT-335 Accounting for Management Decisions .....                 | 3 |
| TRHRD-360 Training Systems in Business and Industry .....           | 3 |
| BURTL-431 Service Management Strategies .....                       | 3 |
| SRVM-XXX Business Geographics .....                                 | 3 |
| SRVM-XXX Service Response Logistics .....                           | 3 |
| SRVM-XXX Special Problems in Service Management .....               | 2 |
| ECON-215 Principles of Economics II .....                           | 3 |
| STAT-320 Statistical Methods .....                                  | 3 |
| PSYC-382 Human Resource Management .....                            | 3 |

##### Human Development and Relationships

*Select 10-11 credits*

|                                                     |   |
|-----------------------------------------------------|---|
| HDFL-115 Individual and Family Relations .....      | 3 |
| HDFL-255 Lifespan Human Development .....           | 3 |
| HDFL-270 Seminar on Self-Growth .....               | 2 |
| HDFL-360 The Workplace and the Family .....         | 2 |
| HDFL-XXX Gender Relationships .....                 | 3 |
| HDFL-XXX Relationship Theory System Dynamics .....  | 3 |
| INMGT-400 Organizational Leadership .....           | 3 |
| PHIL-375 Personal and Professional Ethics .....     | 3 |
| PSYC-190 Psychological Research Methods .....       | 4 |
| PSYC-379 Public Relations .....                     | 2 |
| PSYC-382 Human Resource Management .....            | 3 |
| PSYC-403 Management of Employee Reward System ..... | 3 |
| PSYC-490 Psychological Measurement .....            | 3 |
| SRVM-260 Service Learning .....                     | 3 |

**Communication and Information Technology***Select 10-11 credits*

|           |                                                       |     |
|-----------|-------------------------------------------------------|-----|
| MEDIC-360 | Introduction to Media in Education and Training ..... | 2   |
| MEDIA-440 | Telecommunication Systems and Teleconferencing .....  | 2   |
| TCS-281   | Data Communications .....                             | 3   |
| TCS-283   | Protocols and Interface Lab .....                     | 3   |
| TCS-305   | Office Automation Technology .....                    | 3   |
| TCS-306   | Introduction to Telephony .....                       | 2   |
| ENGL-207  | Writing for the Media .....                           | 3   |
| ENGL-320  | Business Writing .....                                | 3   |
| ENGL-415  | Technical Writing .....                               | 3   |
| ENGL-346  | Research Reporting .....                              | 3   |
| SPCOM-200 | Persuasive Speaking .....                             | 2   |
| SPCOM-236 | Listening .....                                       | 2   |
| SPCOM-312 | Intercultural Communication .....                     | 2   |
| SPCOM-308 | Speech Skills for Business and Industry .....         | 2   |
| XXX-XXX   | Any Foreign Language .....                            | 2-4 |

**General Electives** (2 credits)**Non-Profit Service Sector Organizations****40-43 credits****Human Development and Relationships***Students must select at least one course from three of the subject areas.*

|           |                                                 |   |
|-----------|-------------------------------------------------|---|
| HDFL-115  | Individual and Family Relations .....           | 3 |
| HDFL-255  | Lifespan Human Development .....                | 3 |
| HDFL-270  | Seminar in Self-Growth .....                    | 2 |
| HDFL-310  | Family Stress, Coping, and Adaptation .....     | 1 |
| HDFL-360  | Workplace and the Family .....                  | 2 |
| HDFL-XXX  | Gender Relationships .....                      | 2 |
| HDFL-XXX  | Relationship Theory System Dynamics .....       | 2 |
| INMGT-400 | Organizational Leadership .....                 | 3 |
| SRVM-260  | Service Learning .....                          | 3 |
| SRVM-XXX  | Special Problems in Service Management .....    | 2 |
| PHIL-235  | General Ethics .....                            | 3 |
| SOCWK-205 | Introduction to Social Work .....               | 3 |
| SOCWK-420 | Child and Family Agencies .....                 | 2 |
| EDUC-307  | Applied Human Relations .....                   | 2 |
| EDUC-336  | Multiculturalism: Issues/Perspectives .....     | 3 |
| REHAB-102 | Community Resources .....                       | 2 |
| REHAB-300 | Grantsmanship for Helping Professions .....     | 3 |
| REHAB-458 | Rehabilitation Support System Networking .....  | 1 |
| REHAB-402 | Rehabilitation Program Operations .....         | 3 |
| PSYC-190  | Psychological Research Methods .....            | 4 |
| PSYC-210  | Introduction to Applied Psychology .....        | 3 |
| PSYC-281  | Environmental Psychology .....                  | 3 |
| PSYC-335  | Motivation/Emotions .....                       | 3 |
| PSYC-374  | Psychology of Women .....                       | 2 |
| PSYC-375  | The Psychology of Marriage and the Family ..... | 2 |
| PSYC-379  | Public Relations .....                          | 2 |
| PSYC-403  | Management of Employee Reward Systems .....     | 3 |
| PSYC-382  | Human Resource Management .....                 | 3 |
| PSYC-490  | Psychological Measurement .....                 | 3 |
| XXX-XXX   | Social Service Sector Management .....          | 3 |

**Business and Financial Management***Select 10-11 credits*

|           |                                                        |   |
|-----------|--------------------------------------------------------|---|
| TCS-307   | Artificial Intelligence Applications in Business ..... | 2 |
| RC-271    | Safety Principles and Practices .....                  | 3 |
| TC-381    | Occupational Safety/Loss Control .....                 | 2 |
| INMGT-340 | Time and Motion Study .....                            | 3 |
| BUACT-206 | Introduction to Financial Accounting .....             | 3 |
| BUACT-207 | Corporate and Managerial Accounting .....              | 3 |
| BULGL-318 | Business Law I .....                                   | 3 |
| BUMKG-330 | Principles of Marketing .....                          | 3 |
| BUMIS-333 | MIS Decision Support Systems .....                     | 3 |
| BUACT-340 | Business Finance .....                                 | 3 |
| BUMKG-479 | Marketing Research .....                               | 3 |
| BUINB-XXX | Any international business course .....                | 3 |
| TRHRD-360 | Training Systems in Business and Industry .....        | 3 |
| ECON-215  | Principles of Economics II .....                       | 3 |
| ECON-325  | Economics and Business Statistics .....                | 3 |
| STAT-320  | Statistical Methods .....                              | 3 |

**Communication and Information Technology***Select 10-11 credits*

|           |                                                       |     |
|-----------|-------------------------------------------------------|-----|
| MEDIA-360 | Introduction to Media in Education and Training ..... | 2   |
| MEDIA-440 | Telecommunication Systems and Teleconferencing .....  | 2   |
| TCS-281   | Data Communications .....                             | 3   |
| TCS-283   | Protocols and Interface Lab .....                     | 3   |
| TCS-305   | Office Automation Technology .....                    | 3   |
| TCS-306   | Introduction to Telephony .....                       | 2   |
| ENGL-207  | Writing for the Media .....                           | 3   |
| ENGL-320  | Business Writing .....                                | 3   |
| ENGL-415  | Technical Writing .....                               | 3   |
| ENGL-346  | Research Reporting .....                              | 3   |
| SPCOM-200 | Persuasive Speaking .....                             | 2   |
| SPCOM-236 | Listening .....                                       | 2   |
| SPCOM-312 | Intercultural Communication .....                     | 2   |
| SPCOM-308 | Speech Skills for Business and Industry .....         | 2   |
| XXX-XXX   | Any Foreign Language .....                            | 2-4 |

**General Electives** (2 credits)**Individualized Concentration***Self-designed concentration approved by program director. Courses must be from each area. Course selection requires prior approval by the program director.*

# Technical Communication

Bruce Maylath, Program Director, 150C Harvey Hall, 715/232-1358

## Introduction

Technical Communication is a rapidly growing profession. Development of new technologies has increased the demand for professionals who can clearly explain policies, products and services to clients and customers. UW-Stout's program integrates communication theory with coursework in a chosen applied field. Examples of applied fields include biomedical engineering, packaging, international studies, quality management, telecommunications, tourism, training and development, art and design, and business and management. Graduates of this program will have the skills to research, visualize, design, develop and oversee publication of both print and electronic documents.

Copy editing and preparation, multimedia or hypertext writing, and critical, technical and freelance writing courses prepare you to write clearly for specific audiences. In addition, courses in an applied field of your choice supply the strong technical background crucial to communicating complex ideas to different audiences. Elective courses give you the chance to explore other areas, such as photography or creative writing. All students will participate in a co-op, internship or practicum during the junior year.

## General Requirements

### Bachelor of Science Degree

|                            |             |
|----------------------------|-------------|
| Total for graduation ..... | 124 credits |
| General Education .....    | 43 credits  |
| Major Studies .....        | 81 credits  |

## Program Requirements

### General Education

**43 credits required**

#### A. Communication Skills **8 credits**

|           |                                                   |   |
|-----------|---------------------------------------------------|---|
| ENGL-101  | Freshman English – Composition or                 |   |
| ENGL-111  | Freshman English – Honors I .....                 | 3 |
| ENGL-102  | Freshman English – Reading and Related Writing or |   |
| ENGL-112  | Freshman English – Honors II or                   |   |
| ENGL-113  | Honors Seminar .....                              | 3 |
| SPCOM-100 | Fundamentals of Speech .....                      | 2 |

#### B. Analytic Reasoning **6 credits**

*Courses must be from areas of math, logic, statistics and computer science.*

#### C. Health and Physical Education **2 credits**

*Courses must be from areas of health, physical education or nutrition.*

#### D. Humanities and the Arts **9 credits**

*Courses must be from three or more areas including art history, creative arts, foreign language and culture, history, literature, music appreciation, performing arts and philosophy.*

#### E. Social and Behavioral Sciences **9 credits**

*Courses must be from three or more areas including anthropology, economics, geography, political science, psychology and sociology.*

#### F. Natural Sciences (with Lab) **4 credits**

#### G. Technology **2 credits**

#### H. General Education Electives **3 credits**

*Course(s) must come from categories A, B, D, E or F.*

### Major Studies

**81 credits required**

#### Rhetoric and Language Skills **14 Credits**

|           |                                   |   |
|-----------|-----------------------------------|---|
| ENGL-343  | Rhetoric of Technology or         |   |
| ENGL-371  | Advanced Rhetoric .....           | 3 |
| ENGL-247  | Critical Writing .....            | 3 |
| ENGL-340  | The Structure of English .....    | 3 |
| PHIL-235  | General Ethics .....              | 3 |
| SPCOM-312 | Intercultural Communication ..... | 2 |

#### Technical Communication Skills **15 Credits**

|           |                                               |   |
|-----------|-----------------------------------------------|---|
| ART-101   | Fundamentals of Design .....                  | 3 |
| ENGL-121  | Introduction to Technical Communication ..... | 1 |
| ENGL-207  | Writing for the Media .....                   | 3 |
| ENGL-415  | Technical Writing .....                       |   |
| ENGL-435  | Writing Technical Manuals .....               | 3 |
| SPCOM-308 | Speech Skills for Business and Industry ..... | 2 |

#### Production Skills **11 Credits**

|          |                                                       |   |
|----------|-------------------------------------------------------|---|
| GCM-141  | Graphic Communication and Electronic Publishing ..... | 3 |
| ENGL-385 | Document Design .....                                 | 2 |
| ENGL-388 | Writing Multimedia or                                 |   |
| ENGL-361 | Hypertext Writing .....                               | 3 |
| ENGL-225 | Copyediting and Preparation .....                     | 3 |

#### Project Management and Client Relations Skills **11 Credits**

|           |                                        |     |
|-----------|----------------------------------------|-----|
| ENGL-449  | Cooperative Educational Experience or  |     |
| ENGL-437  | Technical Writing Practicum .....      | 1-3 |
| ENGL-471  | Freelancing/Professional Writing ..... | 3   |
| INMGT-365 | Project Management .....               | 3   |
| PSYC-379  | Public Relations .....                 | 2   |

#### Language/Computer Science **8-9 Credits**

*Choose one track:*

|         |                                              |   |
|---------|----------------------------------------------|---|
| XXX-XXX | Any Foreign Language I .....                 | 4 |
| XXX-XXX | Any Foreign Language II .....                | 4 |
|         | or                                           |   |
| CS-142  | Computer Programming for Multimedia I .....  | 3 |
| CS-143  | Computer Programming for Multimedia II ..... | 3 |
| LOG-301 | Logic .....                                  | 3 |

#### Applied Field **17 Credits**

*An official minor or an equivalent field of study approved by the program director. Courses selected must total at least 17 credits.*

#### Electives **4-5 credits**



# Technology Education

Ken Welty, Program Director, 224D Communication Technologies Building, 715/232-1206

## Introduction

Technology Education is a Bachelor of Science degree program consisting of 124 semester credits of general, professional and technical course work. The program leads to teaching certification in all 50 states. Although this program is designed to lead to an education degree, graduates find challenging career opportunities in business and industry as well. Students study fields such as communication, construction, manufacturing and transportation. They work with technologies such as computers, robots and lasers, and with more conventional equipment used in processing materials, energy and information. Students are required to complete at least 42 credits of general education in areas such as English, mathematics, science, speech and social studies. They are also required to complete 39 credits of professional education in areas of curriculum and instruction, human behavior and student teaching in a secondary school. Forty-three credits of technical work are also required. Of this, 30 credits are prescribed for all students in the majors and 13 credits permit study in a selected area of emphasis.

## General Requirements

### Bachelor of Science Degree

|                            |             |
|----------------------------|-------------|
| Total for graduation ..... | 124 credits |
| General Education .....    | 42 credits  |
| Major Studies .....        | 82 credits  |

Students must have a cumulative grade point average of 2.75 or better to be admitted to advanced standing for teacher education. Graduation requires a 2.75 overall grade point average. See pages 17-18 for additional information. Participation in a related organization is required.

## Program Requirements

### General Education

**42 credits required**

#### A. Communication Skills

**8 credits**

|           |                                                          |   |
|-----------|----------------------------------------------------------|---|
| ENGL-101  | Freshman English – Composition <i>or</i>                 |   |
| ENGL-111  | Freshman English – Honors I .....                        | 3 |
| ENGL-102  | Freshman English – Reading and Related Writing <i>or</i> |   |
| ENGL-112  | Freshman English – Honors II .....                       | 3 |
| SPCOM-100 | Fundamentals of Speech .....                             | 2 |

#### B. Analytic Reasoning

**6 credits**

|                                                                                                     |                                |     |
|-----------------------------------------------------------------------------------------------------|--------------------------------|-----|
| MATH-XXX                                                                                            | Any approved Mathematics ..... | 4-5 |
| <i>Remaining courses must be from areas including math, logic, statistics and computer science.</i> |                                |     |

#### C. Health and Physical Education

**2 credits**

*Courses must be from areas of health, physical education or nutrition.*

#### D. Humanities and the Arts\*

**9 credits**

|                                                                                                                                                                                                                                                                                                                           |                                    |   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|---|
| LIT-XXX                                                                                                                                                                                                                                                                                                                   | Any Literature .....               | 3 |
| XXX-XXX                                                                                                                                                                                                                                                                                                                   | Any Creative/Performing Arts ..... | 3 |
| <i>Remaining course must be from areas including art history, creative arts, foreign language and culture, history, literature, music appreciation, performing arts or philosophy. * Either HIST-210 Modern World must be taken under this category or ANTH-220 Cultural Anthropology must be taken under Category E.</i> |                                    |   |

#### E. Social and Behavioral Sciences \*

**9 credits**

|                                                                                                                               |                          |   |
|-------------------------------------------------------------------------------------------------------------------------------|--------------------------|---|
| POLS-210                                                                                                                      | Government .....         | 3 |
| PSYC-110                                                                                                                      | General Psychology ..... | 3 |
| <i>Remaining course must be from areas of anthropology, economics, geography, political science, psychology or sociology.</i> |                          |   |
| <i>* See previous note under Category D.</i>                                                                                  |                          |   |

#### F. Natural Sciences (with Lab)

**4 credits**

*Choose a biology course, and either a chemistry or physics course.*

#### G. Technology

**2 credits**

#### H. General Education Electives

**2 credits**

*Courses must come from categories A, B, D, E and F.*

## Major Studies

**82 credits required**

### Fundamentals of Technology

**14 credits**

|           |                                                                   |   |
|-----------|-------------------------------------------------------------------|---|
| MFGT-102  | Manufacturing Materials and Processes I .....                     | 3 |
| MFGT-103  | Manufacturing Materials and Processes II .....                    | 3 |
| MFGT-XXX  | Materials and Processes for Technology Education .....            | 3 |
| RD-205    | Design for Industry .....                                         | 3 |
| TECED-390 | Laboratory and Classroom Management in Technology Education ..... | 2 |

### Human Endeavors

**15 credits**

|           |                                              |   |
|-----------|----------------------------------------------|---|
| TCS-304   | Communications and Information Systems ..... | 3 |
| INMGT-314 | Industrial Enterprise Practicum .....        | 3 |
| AEC-172   | Construction Technology .....                | 3 |
| TRANS-202 | Transportation Systems .....                 | 2 |
| TRANS-203 | Transportation Systems Laboratory .....      | 1 |
| TRANS-204 | Energy Technology .....                      | 2 |
| TRANS-205 | Energy Technology Laboratory .....           | 1 |

**Advanced Technical Studies 14 credits**

*Students will select one of the following emphases.*

**Automation and Manufacturing**

|          |                                    |   |
|----------|------------------------------------|---|
| MFGT-303 | Computer Aided Manufacturing ..... | 3 |
| MFGT-305 | Robotics .....                     | 2 |
| MFGT-310 | Manufacturing System .....         | 3 |
| MFGT-337 | Numerical Control .....            | 3 |
| CADD-112 | Engineering Drawing I .....        | 2 |

**Design and Pre-engineering**

|          |                                              |   |
|----------|----------------------------------------------|---|
| CADD-112 | Engineering Drawing I .....                  | 2 |
| CADD-113 | Engineering Drawing II .....                 | 3 |
| CADD-234 | Computer Assisted Design and Drafting .....  | 2 |
| RD-320   | Prototype Development and Model Making ..... | 3 |
| RD-420   | Research and Development .....               | 2 |
| RD-421   | Research and Development Laboratory .....    | 1 |

**Architecture and Construction**

|         |                                                |   |
|---------|------------------------------------------------|---|
| AEC-131 | Architectural Graphics .....                   | 3 |
| AEC-175 | Construction Materials .....                   | 1 |
| AEC-233 | Architectural Design I .....                   | 3 |
| AEC-237 | Architectural Technology .....                 | 3 |
| AEC-270 | Heavy Construction Methods and Equipment ..... | 3 |

**Energy and Power Mechanics**

|           |                                            |   |
|-----------|--------------------------------------------|---|
| ELEC-204  | Electricity/Electronics Fundamentals ..... | 3 |
| POWER-103 | Power Mechanics .....                      | 2 |
| POWER-260 | Introduction to Fluid Power .....          | 2 |
| POWER-303 | Mechanical Power Transmission .....        | 3 |
| POWER-499 | Independent Study .....                    | 3 |

**Graphic Communications**

|         |                                                        |   |
|---------|--------------------------------------------------------|---|
| GCM-141 | Graphic Communications and Electronic Publishing ..... | 3 |
| GCM-151 | Electronic Prepress .....                              | 3 |
| GCM-266 | Press Systems .....                                    | 4 |
| GCM-345 | Publications Production <i>or</i> .....                |   |
| GCM-343 | Graphic Communications Practicum .....                 | 3 |

**Telecommunications Communications**

|          |                                            |   |
|----------|--------------------------------------------|---|
| TCS-281  | Data Communications .....                  | 3 |
| TCS-283  | Protocols and Interfacing Laboratory ..... | 3 |
| GCM-499  | Independent Study .....                    | 3 |
| TCS-306  | Introduction to Telephony .....            | 2 |
| ELEC-204 | Electricity/Electronics Fundamentals ..... | 3 |

**General Technology**

|           |                                                        |     |
|-----------|--------------------------------------------------------|-----|
| MEDIA-304 | Elementary Photography .....                           | 3   |
| GCM-141   | Graphic Communications and Electronic Publishing ..... | 3   |
| MFGT-303  | Computer Aided Manufacturing .....                     | 3   |
| CADD-112  | Engineering Drawing <i>or</i> .....                    |     |
| AEC-131   | Architectural Graphics .....                           | 2-3 |
| POWER-103 | Power Mechanics .....                                  | 2   |

**Electronics and Computers**

|           |                                            |   |
|-----------|--------------------------------------------|---|
| ELEC-204  | Electricity/Electronics Fundamentals ..... | 3 |
| ELEC-271  | Digital Logic and Switching .....          | 3 |
| ELEC-374  | Microprocessor Fundamentals .....          | 3 |
| POWER-395 | Seminar .....                              | 1 |
| ELEC-XXX  | Electrical Systems Application .....       | 3 |

**Professional Education 39 credits**

|           |                                                                           |    |
|-----------|---------------------------------------------------------------------------|----|
| TECED-160 | Introduction to Technology Education .....                                | 1  |
| TECED-260 | Curriculum, Methods and Assessment for Technology Education .....         | 3  |
| TECED-360 | Field Experience for Technology Education .....                           | 1  |
| TECED-460 | Advanced Curriculum Methods and Assessment for Technology Education ..... | 3  |
| TECED-409 | Student Teaching .....                                                    | 16 |
| EDUC-303  | Educational Psychology .....                                              | 3  |
| EDUC-312  | Introduction to Curriculum, Methods and Assessment .....                  | 2  |
| EDUC-326  | Foundations of Education .....                                            | 2  |
| EDUC-336  | Multiculturalism: Issues and Perspectives .....                           | 2  |
| EDUC-376  | Field Experience – Cross Cultural Experience .....                        | 1  |
| EDUC-382  | Secondary Reading and Language Development .....                          | 2  |
| SPED-430  | Inclusion of Students With Exceptional Needs .....                        | 3  |

**Vocational Certification**

A student who wishes to become certifiable to teach an advanced level occupational skills course in Wisconsin must complete this degree program, a course in Principles of Vocational, Technical and Adult Education, and a course in Organization and Administration of Cooperative Education Programs. The student must also have a minimum of 2,000 hours of related work experience.

# Minors

## Introduction

Minors are defined as either “studies in the discipline” or as “teaching.” Teaching minors are those approved by the State Department of Public Instruction for certification. Requirements for the teaching minors include an education major, a methods course in the field, and some student teaching experience in the minor field in addition to the

required credits within the minor. The Approval Form for Minor Program must be submitted to the department offering the minor before starting the minor to assure an acceptable sequence of courses. Approval forms and minor program plans are available in the office of the department offering the minor.

## Applied Foreign Language

Department of Speech Communication,  
Foreign Language, Theatre and Music

Before declaring the minor, student must have approval of an individual course plan. The applied project requires signatures of both major and minor program advisors. Until a specific course is developed, the applied project will be an independent study.

### 26 credits are required.

|         |                                                                                |   |
|---------|--------------------------------------------------------------------------------|---|
| XXX-XXX | Elementary Foreign Language A .....                                            | 8 |
| XXX-XXX | Intermediate Foreign Language A . . . . .                                      | 8 |
| XXX-XXX | Elementary Foreign Language B .....                                            | 8 |
| XXX-XXX | Applied project linking foreign language<br>with student's major program ..... | 2 |

## Art

Department of Art and Design

### 22 credits are required.

#### Required Courses

|         |                              |   |
|---------|------------------------------|---|
| AR-100  | Drawing I .....              | 3 |
| ART-101 | Fundamentals of Design ..... | 3 |
| ART-222 | Introduction to Art .....    | 3 |

#### Selectives

The additional 13 selective credits may be accumulated to overview or concentrate in one area. Students may select courses in drawing, painting, printmaking, ceramics, art history, art metals, sculpture, interior design, industrial design and graphic design to fulfill the balance of the Art minor. A minimum of six credits must be completed at UW-Stout to receive an Art minor. A minimum grade of “C” (2.0) is required in all courses.

## Biology

Department of Biology

### 20 credits are required

#### Required courses

|         |                            |   |
|---------|----------------------------|---|
| BIO-122 | Introductory Biology ..... | 3 |
| BIO-332 | Genetics .....             | 3 |

#### Select one option from the following:

##### Option I - Physiology Emphasis:

|         |                              |   |
|---------|------------------------------|---|
| BIO-234 | Physiology and Anatomy ..... | 4 |
| BIO-362 | Advanced Physiology .....    | 3 |

##### Option II - Ecology Emphasis:

|         |                             |   |
|---------|-----------------------------|---|
| BIO-150 | Environmental Science ..... | 2 |
| BIO-242 | Botany or                   |   |
| BIO-252 | Zoology .....               | 4 |
| BIO-350 | Ecology .....               | 3 |

##### Option III - Self-Directed Emphasis:

#### Selectives

For options I and II, choose credits from list provided by advisor to complete 20 credits. Students that choose the Self-Directed option III must work with an advisor in the Biology Department and must have the approval of the chair. Selected courses must include two laboratory courses, at least one of which must be at the 300 level or above.

## Business Administration

Department of Business

### 22 credits are required.

#### Required Courses

|           |                                                          |   |
|-----------|----------------------------------------------------------|---|
| BUACT-206 | Introduction to Financial Accounting .....               | 3 |
| BUACT-207 | Introduction – Corporate and Managerial Accounting ..... | 3 |
| BUMGT-304 | Principles of Management .....                           | 3 |
| BUMKT-330 | Principles of Marketing .....                            | 3 |
| ECON-210  | Principles of Economics I .....                          | 3 |
| ECON-215  | Principles of Economics II .....                         | 3 |

#### Selectives

Select 4 credits from the list supplied by the department.

## Chemistry

Department of Chemistry

**22 credits are required.**

### Required Courses

|          |                                                |   |
|----------|------------------------------------------------|---|
| CHEM-125 | Principles of Chemistry for Health Sciences or |   |
| CHEM-135 | College Chemistry I .....                      | 5 |
| CHEM-136 | College Chemistry II .....                     | 5 |
| CHEM-201 | Organic Chemistry I .....                      | 4 |

### Select one of the following courses:

|          |                                        |   |
|----------|----------------------------------------|---|
| CHEM-204 | Organic Chemistry II Lecture .....     | 3 |
| CHEM-331 | Quantitative Analysis .....            | 3 |
| CHEM-335 | Instrumental Methods of Analysis ..... | 3 |
| CHEM-301 | Physical Chemistry Lecture and .....   | 3 |
| CHEM-303 | Physical Chemistry Laboratory .....    | 1 |

### Selectives

Additional departmental offerings to complete 22 credits will be selected.

A minimum grade of "C" (2.0) is required in all chemistry courses applied toward the chemistry minor.

## Coaching

Department of Physical Education and Athletics

**24 credits are required.**

### Area I: Medical Emergencies (5 credits required)

|          |                                                  |   |
|----------|--------------------------------------------------|---|
| HLTH-340 | ARC Standard First Aid and Personal Safety ..... | 2 |
| HLTH-350 | Prevention and Care of Athletic Injuries .....   | 3 |

### Area II: Principles and Psycho-Social Foundations of Coaching

(4 credits required)

|        |                                          |   |
|--------|------------------------------------------|---|
| PE-352 | Theory and Management of Coaching .....  | 2 |
| PE-362 | Psycho-Social Aspects of Athletics ..... | 2 |

### Area III: Methods and Strategies of Coaching (2 credits required)

|        |                                           |   |
|--------|-------------------------------------------|---|
| PE-401 | Coaching Gymnastics .....                 | 2 |
| PE-460 | Coaching Basketball .....                 | 2 |
| PE-461 | Coaching Football .....                   | 2 |
| PE-465 | Coaching Competitive Swimming .....       | 2 |
| PE-470 | Coaching Baseball .....                   | 2 |
| PE-471 | Coaching Track and Field .....            | 2 |
| PE-477 | Coaching Tennis .....                     | 2 |
| PE-478 | Coaching and Officiating Volleyball ..... | 2 |
| PE-479 | Coaching Wrestling .....                  | 2 |
| PE-480 | Coaching Young Athletes .....             | 2 |
| PE-481 | Coaching Ice Hockey .....                 | 2 |
| PE-483 | Coaching Softball .....                   | 2 |
| PE-483 | Coaching Soccer .....                     | 2 |

### Area IV: Kinesiological and Biomechanical Foundations of Coaching

(7 credits required)

|          |                              |   |
|----------|------------------------------|---|
| BIO-132  | Human Biology or             |   |
| BIO-134  | Physiology and Anatomy ..... | 4 |
| HLTH-355 | Kinesiology .....            | 3 |

### Area V: Physiological Foundations of Coaching (3 credits required)

|          |                              |   |
|----------|------------------------------|---|
| HLTH-365 | Physiology of Exercise ..... | 3 |
|----------|------------------------------|---|

### Area VI: Practicum in Coaching (required)

|        |                             |     |
|--------|-----------------------------|-----|
| PE-490 | Practicum in Coaching ..... | 1-3 |
|--------|-----------------------------|-----|

### Area VII: Selectives

Select additional courses from the list supplied by the department for the 24-credit minor.

## Computer Science

Department of Mathematics, Statistics and Computer Sciences

**22 credits are required.**

### Required Courses

|        |                                     |   |
|--------|-------------------------------------|---|
| CS-144 | Computer Science I .....            | 3 |
| CS-145 | Computer Science II .....           | 3 |
| CS-241 | Assembly Language Programming ..... | 3 |
| CS-341 | Data Structures .....               | 4 |

### Selectives

Select additional courses to complete 22 credits from the approved list supplied by the department. Grades for courses taken for the minor must be 2.0 (C) or better.

## Construction Risk Control

Departments of Industrial Management and Technology

**18 credits are required.**

### Required Courses

|         |                                        |   |
|---------|----------------------------------------|---|
| RC-388  | Construction Safety .....              | 2 |
| RC-382  | Construction Risk Management .....     | 3 |
| RC-383  | Voluntary OSHA Compliance .....        | 3 |
| AEC-449 | Cooperative Education Experience ..... | 2 |

### Selectives

Select 8 credits for selectives from program plan sheet supplied by advisor. The minor is specifically limited to Construction majors or those who have taken the eight construction course sequence containing the integrated Risk Control content.

## Economics

Department of Social Sciences

**22 credits are required.**

### Required Courses

|          |                                               |   |
|----------|-----------------------------------------------|---|
| ECON-210 | Principles of Economics I .....               | 3 |
| ECON-215 | Principles of Economics II .....              | 3 |
| ECON-325 | Economic and Business Statistics or           |   |
| ECON-470 | Economic Model-building and Forecasting ..... | 3 |
| ECON-410 | Microeconomics .....                          | 3 |
| ECON-415 | Macroeconomics .....                          | 3 |

### Selectives

Select additional courses to complete 22 credits from the approved list supplied by the department.

## English Teaching

Department of English and Philosophy

**25-26 credits are required.**

*Required Courses*

|          |                                                           |   |
|----------|-----------------------------------------------------------|---|
| ENGL-340 | The Structure of English .....                            | 3 |
| ENGL-247 | Critical Writing .....                                    | 3 |
| LIT-255  | Recent World Literature .....                             | 3 |
| LIT-306  | Shakespeare .....                                         | 3 |
| ENGL-407 | Teaching English in the Secondary and Middle School ..... | 2 |

*Monitored student teaching in the discipline is required.*

*Select 3 credits from each of the following:*

*Group A*

|         |                                  |   |
|---------|----------------------------------|---|
| LIT-248 | American Literature .....        | 3 |
| LIT-260 | Modern American Literature ..... | 3 |

*Group B*

|         |                                 |   |
|---------|---------------------------------|---|
| LIT-301 | English Literature .....        | 3 |
| LIT-350 | Modern British Literature ..... | 3 |

*Selectives*

*Select 2-3 additional credits to complete the minor from the approved list supplied by the department.*

*Note: Grades of 2.5 or better in English and Literature courses are required for the minor to be awarded.*

## English Literature

Department of English and Philosophy

*15 credits are required.*

*Take one or more courses in each of the following categories:*

*Historical Perspective (3 or more credits)*

|         |                                                        |     |
|---------|--------------------------------------------------------|-----|
| LIT-250 | Classical and Biblical Literature in Translation ..... | 3   |
| LIT-248 | American Literature .....                              | 3   |
| LIT-350 | Modern British Literature .....                        | 3   |
| LIT-260 | Modern American Literature .....                       | 3   |
| LIT-301 | English Literature .....                               | 3   |
| LIT-306 | Shakespeare .....                                      | 3   |
| LIT-450 | Studies in Literature .....                            | 1-3 |

*Cultural and Societal Perspectives (3 or more credits)*

|         |                                         |     |
|---------|-----------------------------------------|-----|
| LIT-202 | The Family in Literature .....          | 3   |
| LIT-208 | Fiction Into Film .....                 | 3   |
| LIT-255 | Recent World Literature .....           | 3   |
| LIT-272 | Woman Writers .....                     | 3   |
| LIT-273 | American Multicultural Literature ..... | 3   |
| LIT-281 | Recent American Literature .....        | 3   |
| LIT-450 | Studies in Literature .....             | 1-3 |

*Genre (3 or more credits)*

|         |                             |     |
|---------|-----------------------------|-----|
| LIT-203 | American Poets .....        | 3   |
| LIT-205 | The Short Story .....       | 3   |
| LIT-286 | Detective Fiction .....     | 3   |
| LIT-300 | Children's Literature ..... | 3   |
| LIT-304 | American Folklore .....     | 3   |
| LIT-280 | Best Sellers .....          | 3   |
| LIT-285 | Science Fiction .....       | 3   |
| LIT-450 | Studies in Literature ..... | 1-3 |

*At least six credits in the minor must be taken at UW-Stout. A student must have a 2.75 grade point average in those English and Literature courses presented for the minor.*

## English Writing

Department of English and Philosophy

**15 credits are required**

*Select 12-15 credits from the following:*

|          |                                    |     |
|----------|------------------------------------|-----|
| ENGL-207 | Writing For the Media .....        | 3   |
| ENGL-320 | Business Writing .....             | 3   |
| ENGL-245 | Creative Writing .....             | 3   |
| ENGL-246 | Informational Writing .....        | 3   |
| ENGL-247 | Critical Writing .....             | 3   |
| ENGL-356 | Creative Writing Workshop .....    | 3   |
| ENGL-399 | Independent Study .....            | 1-2 |
| ENGL-418 | Writing On Issues .....            | 1   |
| ENGL-325 | Copy Editing and Preparation ..... | 2   |
| ENGL-499 | Independent Study .....            | 1-2 |
| ENGL-415 | Technical Writing .....            | 3   |
| ENGL-346 | Research Reporting .....           | 3   |

*Selectives*

*Select 0-3 additional credits to complete the minor from the approved list supplied by the department.*

*At least six credits in the minor must be taken at UW-Stout. A student must have a 2.75 grade point average in those English courses presented for the minor.*

## Food Technology

Department of Food and Nutrition

**35 credits are required.**

*Required Courses*

|          |                                            |   |
|----------|--------------------------------------------|---|
| INMG-200 | Production and Operations Management ..... | 3 |
| PKG-180  | Packaging Fundamentals .....               | 2 |
| FN-124   | Foods <i>or</i> .....                      |   |
| FN-240   | Food Science .....                         | 4 |
| FN-212   | Nutrition .....                            | 3 |
| FN-342   | Advanced Foods .....                       | 3 |
| FN-438   | Experimental Foods .....                   | 3 |
| FN-350   | Food Processing .....                      | 3 |
| BIO-306  | General Microbiology .....                 | 4 |
| CHEM-311 | Biochemistry .....                         | 4 |
| CHEM-315 | Food Chemistry .....                       | 3 |
| PHYS-211 | Introduction to Physics .....              | 3 |

## Gaming Entertainment Management

Department of Hospitality and Tourism

**22 credits are required.**

*Required Courses*

|        |                                     |   |
|--------|-------------------------------------|---|
| HT-315 | Gaming Management .....             | 3 |
| HT-316 | Casino Operations Management .....  | 3 |
| HT-317 | Psychosocial Issues in Gaming ..... | 3 |
| HT-418 | Casino Tourism .....                | 3 |

*Select one course from each of the following groups:*

|           |                                                 |   |
|-----------|-------------------------------------------------|---|
| HT-251    | Hospitality Marketing and Sales <i>or</i> ..... |   |
| BUMKG-330 | Principles of Marketing <i>or</i> .....         |   |
| SRVM-354  | Services Marketing Management .....             | 3 |
| HT-361    | Hospitality Accounting <i>or</i> .....          |   |
| BUACT-206 | Introduction Financial Accounting .....         | 3 |
| HT-460    | Hospitality Law and Liability <i>or</i> .....   |   |
| BULGL-318 | Business Law .....                              | 3 |
| HT-360    | Hospitality for the Handicapped Traveler .....  | 1 |

## Health and Fitness

Department of Physical Education and Athletics

**18-21 credits are required.**

*Required Courses*

|          |                                                           |     |
|----------|-----------------------------------------------------------|-----|
| HLTH-375 | Organization and Administration of Health Education ..... | 3   |
| HDFL-115 | Individual and Family Relations .....                     | or  |
| HDFL-728 | Family Life Issues .....                                  | 2-3 |
| FN-102   | Nutrition for Healthy Living .....                        | 2   |
| BIO-132  | Human Biology .....                                       | or  |
| BIO-234  | Physiology and Anatomy .....                              | 4   |
| HLTH-360 | Personal Health and Wellness .....                        | 3   |
| HLTH-340 | ARC Standard First Aid and Personal Safety .....          | 2   |
|          | (or current certification)                                |     |
| HT-390   | Recreation and Fitness Management .....                   | 2   |
| HT-XXX   | Health and Fitness Practicum .....                        | 2   |

*Selectives*

1-4 additional credits of selectives from program plan sheet supplied by advisor.

## Health and Fitness Education

Department of Physical Education and Athletics

**24 credits are required.**

*Required Courses*

|          |                                                           |    |
|----------|-----------------------------------------------------------|----|
| BIO-132  | Human Biology .....                                       | or |
| BIO-234  | Physiology and Anatomy .....                              | 4  |
| HLTH-360 | Personal Health and Wellness .....                        | 3  |
| HLTH-375 | Methods in Health Education .....                         | 2  |
| HLTH-376 | Organization and Administration of Health Education ..... | 3  |
| HLTH-485 | Student Teaching in Health Education .....                | 2  |

*Selectives*

10 additional credits of selectives from program plan sheet supplied by advisor.  
A teaching major with professional education courses is required for teacher certification.

## History

Department of Social Sciences

**22 credits are required.**

*Required Courses*

|          |                                    |   |
|----------|------------------------------------|---|
| HIST-120 | Early United States History .....  | 3 |
| HIST-121 | Modern United States History ..... | 3 |
| HIST-140 | Western Civilization .....         | 3 |
| HIST-141 | Western Civilization .....         | 3 |

*Selectives*

Additional departmental offerings to complete 22 credits will be selected.

Students who take a teaching minor must include two of the following courses:

|          |                                |   |
|----------|--------------------------------|---|
| HIST-322 | African-American History ..... | 3 |
| HIST-360 | Asian History .....            | 3 |
| HIST-380 | Latin American History .....   | 3 |

Two credits of EDUC-305 Teaching Practicum must also be taken, in addition to the 22-credit minor.

## Human Development and Family Studies

Department of Human Development, Family Living,  
and Community Educational Services

**22 credits are required.**

*Required Courses*

|          |                                       |   |
|----------|---------------------------------------|---|
| HDFL-115 | Individual and Family Relations ..... | 3 |
| HDFL-225 | Lifespan Human Development .....      | 3 |
| HDFL-215 | Dynamics of the Family .....          | 3 |

Additional departmental offerings to complete 22 credits will be selected.

## Human Resource Management

Department of Psychology

**22 credits are required. Students are required to fulfill credit requirement in Sections A (9 credits) and F (2 credits) and complete credit requirements in 4 of the remaining 5 areas (Sections B-E, G).**

*A. Core courses (9 credits)*

|          |                                                         |   |
|----------|---------------------------------------------------------|---|
| PSYC-382 | Human Resource Management .....                         | 3 |
| PSYC-485 | Recruitment and Selection of Human Resources .....      | 3 |
| PSYC-403 | Management of Employee Reward Systems (Compensation) .. | 3 |

*B. Diversity (2-3 credits)*

|           |                                                     |   |
|-----------|-----------------------------------------------------|---|
| PSYC-340  | Psychology of Individual and Group Difference ..... | 3 |
| INMGT-415 | Women and Minorities in Management .....            | 2 |
| PSYC-372  | Psychology of Sex and Gender .....                  | 3 |
| REHAB-462 | Disability Management .....                         | 3 |

*C. Teamwork (3 credits)*

|           |                                        |   |
|-----------|----------------------------------------|---|
| SPCOM-314 | Interviewing .....                     | 1 |
| INMGT-430 | Employee Involvement: Work Teams ..... | 2 |

*D. Organization Training and Development (3 credits)*

|           |                                                 |   |
|-----------|-------------------------------------------------|---|
| TRHRD-360 | Training Systems in Business and Industry ..... | 3 |
| INMGT-325 | Quality Management .....                        | 3 |

*E. Leadership (3 credits)*

|           |                                   |   |
|-----------|-----------------------------------|---|
| EDUC-4XX  | Transformational Leadership ..... | 3 |
| INMGT-400 | Organizational Leadership .....   | 3 |

*F. Experiential (2 credits, with approval)*

|          |                                           |     |
|----------|-------------------------------------------|-----|
| PSYC-X98 | Psychology Field Experience .....         | 2   |
| PSYC-X49 | Cooperative Education Experience .....    | 1-8 |
| PSYC-XXX | Human Resource Management Practicum ..... | 2   |

*G. Other Supportive Courses (2-3 credits, with approval)*

|           |                                                 |   |
|-----------|-------------------------------------------------|---|
| BULGL-318 | Business Law I .....                            | 3 |
| BULGL-401 | Legal Environment of Business .....             | 2 |
| ECON-420  | Labor Economics .....                           | 3 |
| ECON-421  | Collective Bargaining and Labor Relations ..... | 2 |
| INMGT-320 | Quality Assurance .....                         | 3 |
| INMGT-325 | Quality Management .....                        | 3 |

## Journalism

Department of English and Philosophy

**22 credits are required.**

### Required Courses

|           |                                                        |     |
|-----------|--------------------------------------------------------|-----|
| MEDIA-304 | Elementary Photography .....                           | 2-3 |
| GCM-141   | Graphic Communications and Electronic Publishing ..... | 3   |
| ENGL-207  | Writing for the Media .....                            | 3   |
| ENGL-210  | Journalism Practicum .....                             | 1   |
| ENGL-325  | Copy Editing and Preparation .....                     | 2   |

### Writing Selectives

Select 3 to 10 credits from the following:

|          |                             |   |
|----------|-----------------------------|---|
| ENGL-320 | Business Writing .....      | 3 |
| ENGL-245 | Creative Writing .....      | 3 |
| ENGL-246 | Informational Writing ..... | 3 |
| ENGL-247 | Critical Writing .....      | 3 |
| ENGL-415 | Technical Writing .....     | 3 |

### Technical Specialty Selectives

Select up to 7 credits from the following:

#### Projects Emphasis:

|          |                                   |     |
|----------|-----------------------------------|-----|
| ENGL-210 | Journalism Practicum .....        | 1   |
| ENGL-437 | Technical Writing Practicum ..... | 1-3 |

#### Public Relations Emphasis:

|           |                                 |   |
|-----------|---------------------------------|---|
| BUMKG-370 | Principles of Advertising ..... | 3 |
| PSYC-379  | Public Relations .....          | 2 |

#### Media Emphasis:

|          |                                                            |   |
|----------|------------------------------------------------------------|---|
| ENGL-318 | Mass Communication: Effects of Technology on Society ..... | 3 |
|----------|------------------------------------------------------------|---|

#### Production Emphasis:

|         |                               |   |
|---------|-------------------------------|---|
| GCM-345 | Publications Production ..... | 3 |
|---------|-------------------------------|---|

## Lodging Management

Hospitality and Tourism Department

**23 credits are required.**

### Required Courses

|           |                                            |   |
|-----------|--------------------------------------------|---|
| BUACT-206 | Introduction to Financial Accounting ..... | 3 |
| BULGL-318 | Business Law .....                         | 3 |
| HT-133    | Front Office Management .....              | 3 |
| HT-130    | Housekeeping Procedures .....              | 2 |
| HT-200    | Hospitality Organization Management .....  | 3 |
| HT-251    | Hospitality Marketing .....                | 3 |
| HT-361    | Hospitality Accounting .....               | 3 |
| HT-430    | Lodging Administration .....               | 3 |

## Materials

Chemistry Department

**22-27 credits are required.**

### Required Courses

|          |                                                    |   |
|----------|----------------------------------------------------|---|
| MFGE-333 | Polymer Processes .....                            | 3 |
| MFGE-343 | Casting, Ceramics and Powder Metal Processes ..... | 3 |
| CHEM-201 | Organic Chemistry I .....                          | 4 |
| CHEM-301 | Physical Chemistry Lecture .....                   | 3 |
| CHEM-303 | Physical Chemistry Laboratory .....                | 1 |
| CHEM-341 | Chemistry of Materials .....                       | 4 |

### Selectives

Select one course with approval of minor adviser.

|          |                                      |     |
|----------|--------------------------------------|-----|
| CHEM-440 | Advanced Materials Laboratory .....  | 1-3 |
| XXX-X99  | Independent Study in Materials ..... | 1-3 |

Select one option with approval of minor adviser

#### Option 1

|          |                                 |   |
|----------|---------------------------------|---|
| CHEM-470 | Chemistry of Materials II ..... | 3 |
|----------|---------------------------------|---|

#### Option 2

|          |                |   |
|----------|----------------|---|
| PHYS-331 | Statics .....  | 3 |
| PHYS-333 | Dynamics ..... | 3 |

#### Option 3

|          |                              |   |
|----------|------------------------------|---|
| MFGE-293 | Engineering Mechanics .....  | 3 |
| MFGE-294 | Mechanics of Materials ..... | 3 |

As background for the materials minor, it is recommended that either CHEM-135 College Chemistry I, or CHEM-125 Chemistry for the Health Sciences be selected as a natural science general education course.

## Mathematics

Department of Mathematics, Statistics and Computer Sciences

### Teaching Certification

**24 credits are required.**

Twenty-two credits must be in the discipline and two credits in a teaching practicum.

Choose one option:

#### Option 1:

|          |                                                                 |   |
|----------|-----------------------------------------------------------------|---|
| STAT-330 | Probability and Statistics for Engineering and the Sciences ... | 3 |
|----------|-----------------------------------------------------------------|---|

#### Option 2:

|          |                                                  |   |
|----------|--------------------------------------------------|---|
| STAT-331 | Probability and Mathematical Statistics I .....  | 3 |
| STAT-332 | Probability and Mathematical Statistics II ..... | 3 |

#### Option 3:

|          |                           |   |
|----------|---------------------------|---|
| STAT-320 | Statistical Methods ..... | 3 |
|----------|---------------------------|---|

### Required Courses

|          |                                                           |     |
|----------|-----------------------------------------------------------|-----|
| MATH-153 | Calculus I or                                             |     |
| MATH-156 | Calculus and Analytic Geometry I .....                    | 4-5 |
| MATH-154 | Calculus II or                                            |     |
| MATH-157 | Calculus and Analytic Geometry II .....                   | 4-5 |
| MATH-262 | Modern Geometry .....                                     | 3   |
| MATH-275 | Linear Algebra .....                                      | 3   |
| MATH-370 | Modern Algebra I .....                                    | 3   |
| EDUC-305 | Teaching Practicum .....                                  | 2   |
| CS-X4X   | Formal computer programming course – CS-141 or higher ... | 2-3 |

### Selectives

Additional courses to complete 24 credits will be selected with advisement.



## Non-teaching Minor

**22 credits required.**

Required Courses

Select one option:

Option 1:

|          |                   |   |
|----------|-------------------|---|
| MATH-153 | Calculus I .....  | 4 |
| MATH-154 | Calculus II ..... | 4 |

Option 2:

|          |                                         |   |
|----------|-----------------------------------------|---|
| MATH-156 | Calculus and Analytic Geometry I .....  | 5 |
| MATH-157 | Calculus and Analytic Geometry II ..... | 5 |

Select at least 9 credits from the following:

|          |                                                                 |   |
|----------|-----------------------------------------------------------------|---|
| STAT-330 | Probability and Statistics for Engineering and the Sciences ... | 3 |
| STAT-331 | Probability and Mathematical Statistics I .....                 | 3 |
| STAT-332 | Probability and Mathematical Statistics II .....                | 3 |
| MSCS-344 | Graph Theory With Applications in Computer Science .....        | 3 |
| MSCS-446 | Numerical Analysis I .....                                      | 3 |
| MSCS-447 | Numerical Analysis II .....                                     | 3 |
| MATH-158 | Calculus III .....                                              | 3 |
| MATH-250 | Differential Equations/Linear Algebra .....                     | 3 |
| MATH-255 | Differential Equations .....                                    | 3 |
| MATH-262 | Modern Geometry .....                                           | 3 |
| MATH-275 | Linear Algebra .....                                            | 3 |
| MATH-370 | Modern Algebra I .....                                          | 3 |
| MATH-371 | Modern Algebra II .....                                         | 3 |
| MATH-450 | Real Analysis I .....                                           | 3 |
| MATH-460 | Complex Variables With Applications .....                       | 3 |

Select up to 6 credits from the following:

|          |                                    |   |
|----------|------------------------------------|---|
| CS-141   | Computer Programming – BASIC ..... | 2 |
| CS-144   | Computer Science I .....           | 3 |
| CS-145   | Computer Science II .....          | 3 |
| STAT-320 | Statistical Methods .....          | 3 |

The course STAT-320 may not be included if either STAT-331 or STAT-332 is selected.

**Note:** Both the teaching and non-teaching minors require a grade point of 2.0 or better in all courses applied to the minor.

## Physics

Department of Physics

**22 credits are required.**

Required Courses

Select one group from the following:

Group I:

|          |                          |   |
|----------|--------------------------|---|
| PHYS-241 | College Physics I .....  | 5 |
| PHYS-242 | College Physics II ..... | 5 |

Group II:

|          |                                  |   |
|----------|----------------------------------|---|
| PHYS-281 | University Physics I .....       | 5 |
| PHYS-282 | University Physics II .....      | 5 |
| PHYS-329 | Atomic and Nuclear Physics ..... | 3 |

Selectives

At least 9 credits from departmental offerings at the 300-level or higher must be included in the minor program.

## Property Management

Department of Hospitality and Tourism

**21-24 credits are required.**

Required Courses

|           |                                                    |     |
|-----------|----------------------------------------------------|-----|
| INMGT-450 | Maintenance Management .....                       | 2   |
| BUACT-206 | Introduction to Financial Accounting .....         | 3   |
| BULGL-365 | Principles of Real Estate .....                    | 2   |
| HT-370    | Principles of Property Management .....            | 3   |
| HT-470    | Seminar in Property Management .....               | 2   |
| HT-4XX    | Any hospitality and tourism field experience ..... | 1-3 |
| BULGL-318 | Business Law I or                                  |     |
| HT-460    | Hospitality Law and Liability .....                | 3   |

Real Estate Tracks (choose one)

Track 1: Real Estate Operations

|        |                                                                  |   |
|--------|------------------------------------------------------------------|---|
| HT-371 | Commercial/Residential Property Development and Management ..... | 3 |
| HT-330 | Resort Operations and Management .....                           | 3 |

Track 2: Resort Operations

|        |                                 |   |
|--------|---------------------------------|---|
| HT-XXX | Time Share Administration ..... | 3 |
| HT-XXX | Time Share Management .....     | 3 |

Track 3: Individual Program Design

Any 300- or 400-level course from AEC, BULGL, INMGT or HT approved by the Minor adviser.

## Psychology

Department of Psychology

**18 credits are required.**

Required Courses

|          |                                      |     |
|----------|--------------------------------------|-----|
| PSYC-110 | General Psychology .....             | 3   |
| PSYC-190 | Psychological Research Methods ..... | 4   |
| PSYC-251 | Child Psychology or                  |     |
| PSYC-352 | Adolescent Psychology .....          | 3   |
| PSYC-460 | Personality and Mental Health or     |     |
| PSYC-361 | Abnormal Psychology or               |     |
| PSYC-473 | Psychology of Stress .....           | 2-3 |

Selectives

Select 5-6 or more credits from any of the courses above not already taken or from the list supplied by the department.

## Quality Management

Department of Industrial Management

**20-21 credits are required.**

Required Courses

|           |                                         |     |
|-----------|-----------------------------------------|-----|
| INMGT-120 | Quality Concepts .....                  | 3   |
| INMGT-320 | Quality Assurance .....                 | 3   |
| INMGT-325 | Quality Management .....                | 3   |
| INMGT-220 | Quality Systems – Service Industries or |     |
| INMGT-420 | Quality Practicum .....                 | 3-4 |

Selectives

Select 8 additional credits from the list supplied by the department.



## Retailing

Department of Business

**21 credits are required.**

Required Courses

|           |                                        |   |
|-----------|----------------------------------------|---|
| BURTL-112 | Trend Forecasting .....                | 3 |
| BURTL-227 | Basic Merchandising .....              | 3 |
| BURTL-229 | Visual Merchandising or                |   |
| BURTL-327 | Store Management .....                 | 3 |
| BURTL-329 | Fashion Promotions .....               | 3 |
| BURTL-425 | Current Retail Strategies .....        | 2 |
| BURTL-430 | Merchandise Planning and Control ..... | 4 |

Selectives

3-6 additional retail course credits approved by the department.

## Sociology

Department of Social Sciences

**21 credits are required.**

Required Courses

|           |                                   |   |
|-----------|-----------------------------------|---|
| ANTH-220  | Cultural Anthropology .....       | 3 |
| SOC-110   | Introductory Sociology .....      | 3 |
| SOCWK-205 | Introduction to Social Work ..... | 3 |

Selectives

Additional courses to complete 21 credits will be selected from the program plan sheet provided by the department.

Note: A minimum grade of C- is required for each course in the minor with an overall grade point average of 2.5 in required courses. The three required courses and at least two selective courses must be completed at UW-Stout to fulfill the residency requirement.

## Spanish

Department of Speech Communication,

Foreign Language, Theatre and Music

**24 credits are required.**

Required Courses

|          |                                      |   |
|----------|--------------------------------------|---|
| SPAN-121 | Practical Spanish I and              |   |
| SPAN-122 | Practical Spanish II .....           | 4 |
|          | or                                   |   |
| SPAN-103 | Elementary Spanish I .....           | 4 |
| SPAN-104 | Elementary Spanish II .....          | 4 |
| SPAN-201 | Intermediate Spanish I .....         | 4 |
| SPAN-202 | Intermediate Spanish II .....        | 4 |
| SPAN-227 | Conversation and Composition .....   | 2 |
| SPAN-229 | Hispanic Literature in America ..... | 2 |

4-6 additional Spanish course credits approved by the Spanish advisor.

## Speech Communication

Department of Speech Communication,

Foreign Language, Theatre and Music

**Teaching minor**

**22 credits are required.**

Required Courses

|           |                                                       |     |
|-----------|-------------------------------------------------------|-----|
| ENGL-318  | Mass Communication in American Society .....          | 3   |
| SPCOM-101 | Forensics .....                                       | 1-2 |
| SPCOM-102 | Forensics .....                                       | 1-2 |
| SPCOM-200 | Persuasive Speaking .....                             | 2   |
| SPCOM-202 | Oral Interpretation .....                             | 2   |
| SPCOM-206 | Discussion .....                                      | 2   |
| SPCOM-208 | Theory of Communication .....                         | 3   |
| SPCOM-210 | Interpersonal Speech Communication .....              | 1-2 |
| SPCOM-236 | Listening .....                                       | 2   |
| SPCOM-310 | Introduction to Speech Correction .....               | 2   |
| SPCOM-312 | Intercultural Communication .....                     | 2   |
| SPCOM-412 | Teaching Speech in Middle and Secondary Schools ..... | 2   |

To achieve certification, students must participate in a monitored student teaching experience in a speech communication discipline or disciplines. A minimum grade point average of 2.75 with no grade lower than "C" is required. At least six (6) credits of the minor must be from courses offered by the UW-Stout Speech department to fulfill the residency requirement.

**Discipline Minor**

**17 credits are required.**

Required Courses

|           |                              |   |
|-----------|------------------------------|---|
| SPCOM-100 | Fundamentals of Speech ..... | 2 |
|-----------|------------------------------|---|

Selectives

Select 17 credits from the list supplied by the department and approved by the Speech Minor adviser to best fulfill your individual, career and academic needs.

## Technical Writing

Department of English and Philosophy

**15 credits are required.**

Required Courses

|          |                                    |     |
|----------|------------------------------------|-----|
| ENGL-325 | Copy Editing and Preparation ..... | 2   |
| ENGL-415 | Technical Writing .....            | 3   |
| ENGL-435 | Writing Technical Manuals .....    | 3   |
| ENGL-437 | Technical Writing Practicum .....  | 1-3 |

Select two courses from the following:

|          |                                        |     |
|----------|----------------------------------------|-----|
| XXX-X49  | Cooperative Education Experience ..... | 2-8 |
| ENGL-207 | Writing for the Media .....            | 3   |
| ENGL-246 | Informational Writing .....            | 3   |

## Tourism

Department of Hospitality and Tourism

**24 credits are required.**

*Required Courses*

|        |                                                |   |
|--------|------------------------------------------------|---|
| HT-140 | Introduction to Tourism .....                  | 2 |
| HT-340 | Development of Tourism Attractions .....       | 3 |
| HT-240 | Tourism Goods and Services .....               | 3 |
| HT-440 | Sociocultural Systems of Tourism .....         | 3 |
| HT-341 | Geography of Tourism .....                     | 3 |
| HT-360 | Hospitality and the Handicapped Traveler ..... | 1 |

*Select 4 credits from the following:*

|          |                             |   |
|----------|-----------------------------|---|
| FREN-101 | Elementary French I .....   | 4 |
| FREN-102 | Elementary French II .....  | 4 |
| SPAN-103 | Elementary Spanish I .....  | 4 |
| SPAN-104 | Elementary Spanish II ..... | 4 |

*A comparable number of credits in a well-known language used in travel and trade may be substituted.*

*Selectives*

*Five credits required.*

## Traffic Safety Education

Risk Control Center

**22 credits are required.**

*Required Courses*

|        |                                                          |   |
|--------|----------------------------------------------------------|---|
| RC-271 | Safety Principles and Practices .....                    | 3 |
| RC-374 | Driver Education Laboratory Methods and Techniques ..... | 3 |
| RC-375 | Driver and Traffic Safety .....                          | 3 |
| RC-341 | Alcohol, Drugs and Accident Prevention .....             | 3 |
| RC-372 | Behavioral Approach to Accident Prevention .....         | 3 |

*Select 7 credits from the following:*

|           |                                                             |     |
|-----------|-------------------------------------------------------------|-----|
| MEDIA-360 | Introduction to Media in Education and Training .....       | 2   |
| RC-381    | Occupational Safety/Loss Control .....                      | 2-3 |
| TECED-205 | Teaching Methods Technology/Vocational Education .....      | 2   |
| TECED-405 | Curriculum Technology/Vocational Education .....            | 2   |
| FCSE-201  | Presentation Strategies for Family and Consumer Sciences .. | 2   |
| FCSE-301  | Family and Consumer Sciences Education Curriculum .....     | 3   |
| SCOUN-301 | Introduction to Guidance .....                              | 2   |
| EDUC-303  | Educational Psychology .....                                | 3   |
| HLTH-340  | ARC Standard First Aid and Personal Safety .....            | 2   |

## Vocational Rehabilitation

Department of Rehabilitation and Counseling

**22 credits are required.**

*Required Courses*

|           |                                          |     |
|-----------|------------------------------------------|-----|
| REHAB-101 | Introduction to Rehabilitation .....     | 3   |
| REHAB-102 | Community Resources .....                | 3   |
| REHAB-205 | Rehabilitation Practicum .....           | 3-4 |
| REHAB-230 | Psychosocial Aspects of Disability ..... | 3   |

*Selectives*

*Additional departmental offerings to complete 22 credits will be selected.*

## Women's Studies

College of Arts and Sciences

**22 credits are required.**

*Required Courses*

|        |                                       |   |
|--------|---------------------------------------|---|
| WS-210 | Introduction to Women's Studies ..... | 2 |
|--------|---------------------------------------|---|

*Selectives*

*Additional courses to complete 20 credits will be selected with approval of the advisor.*

## Technical Writing

Department of English and Philosophy

**15 credits are required.**

### Required Courses

|          |                                   |     |
|----------|-----------------------------------|-----|
| ENGL-325 | Copy Editing and Preparation..... | 2   |
| ENGL-415 | Technical Writing .....           | 3   |
| ENGL-435 | Writing Technical Manuals .....   | 3   |
| ENGL-437 | Technical Writing Practicum ..... | 1-3 |

Select two courses from the following:

|          |                                       |     |
|----------|---------------------------------------|-----|
| XXX-X49  | Cooperative Education Experience..... | 2-8 |
| ENGL-207 | Writing for the Media .....           | 3   |
| ENGL-246 | Informational Writing .....           | 3   |

## Tourism

Department of Hospitality and Tourism

**24 credits are required.**

### Required Courses

|        |                                                |   |
|--------|------------------------------------------------|---|
| HT-140 | Introduction to Tourism .....                  | 2 |
| HT-340 | Development of Tourism Attractions .....       | 3 |
| HT-240 | Tourism Goods and Services .....               | 3 |
| HT-440 | Sociocultural Systems of Tourism .....         | 3 |
| HT-341 | Geography of Tourism.....                      | 3 |
| HT-360 | Hospitality and the Handicapped Traveler ..... | 1 |

Select 4 credits from the following:

|          |                             |   |
|----------|-----------------------------|---|
| FREN-101 | Elementary French I.....    | 4 |
| FREN-102 | Elementary French II.....   | 4 |
| SPAN-103 | Elementary Spanish I .....  | 4 |
| SPAN-104 | Elementary Spanish II ..... | 4 |

A comparable number of credits in a well-known language used in travel and trade may be substituted.

### Selectives

Five credits required.

## Traffic Safety Education

Risk Control Center

**22 credits are required.**

### Required Courses

|        |                                                          |   |
|--------|----------------------------------------------------------|---|
| RC-271 | Safety Principles and Practices or                       |   |
| RC-381 | Principles of Occupational Safety/Loss Control .....     | 3 |
| RC-371 | Alcohol, Drugs and Accident Prevention .....             | 3 |
| RC-372 | Behavioral Approach to Accident Prevention.....          | 3 |
| RC-374 | Driver Education Laboratory Methods and Techniques ..... | 3 |
| RC-375 | Driver and Traffic Safety .....                          | 3 |

Select 7 credits from the following:

|           |                                                               |   |
|-----------|---------------------------------------------------------------|---|
| MEDIA-360 | Introduction to Media in Education and Training .....         | 2 |
| TECED-205 | Teaching Methods Technology/Vocational Education .....        | 2 |
| TECED-405 | Curriculum Technology/Vocational Education.....               | 2 |
| FCSE-201  | Presentation Strategies for Family and Consumer Sciences .... | 2 |
| FCSE-301  | Family and Consumer Sciences Education Curriculum.....        | 3 |
| SCOUN-301 | Introduction to Guidance .....                                | 2 |
| EDUC-303  | Educational Psychology .....                                  | 3 |
| HLTH-340  | ARC Standard First Aid and Personal Safety.....               | 2 |
| SPCOM-236 | Listening.....                                                | 2 |

## Vocational Rehabilitation

Department of Rehabilitation and Counseling

**22 credits are required.**

### Required Courses

|           |                                          |     |
|-----------|------------------------------------------|-----|
| REHAB-101 | Introduction to Rehabilitation.....      | 3   |
| REHAB-102 | Community Resources .....                | 3   |
| REHAB-205 | Rehabilitation Practicum.....            | 3-4 |
| REHAB-230 | Psychosocial Aspects of Disability ..... | 3   |

### Selectives

Additional departmental offerings to complete 22 credits will be selected.

## Women's Studies

College of Arts and Sciences

**22 credits are required.**

### Required Courses

|        |                                       |   |
|--------|---------------------------------------|---|
| WS-210 | Introduction to Women's Studies ..... | 2 |
|--------|---------------------------------------|---|

### Selectives

Additional courses to complete 20 credits will be selected with approval of the adviser.

# Specializations

## Introduction

Specializations are programs of study, with carefully constructed learning goals and experiences, and evaluation procedures. While course work may be included in a specialization, students may also work to meet learning goals through internships, working with a mentor, successfully completing a proficiency examination or certification examination, or other non-classroom experiences. Courses may come from several departments and involve faculty from several disciplines.

Courses taken to complete a specialization may also fit elsewhere in a student's program of study.

Students who complete a specialization will have the specialization recorded on their transcript and will receive a certificate of completion.

## Disability Accommodation in Business and Industry

This specialization will provide participants with the skills to work effectively within business and industry settings to maximize gainful employment opportunities and productivity for persons with disabilities. Participants will be able to develop, implement and evaluate disability

initiatives and policies, and understand the need to work effectively at all levels of business and industry in order to provide optimal accommodations for persons with disabilities.

## Requirements for the Specialization

| Intended Outcome                                                                                                                                                                                 | Learning Activity                                             | Evaluation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Students will be able to:                                                                                                                                                                        |                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 1. Identify principles and concepts of organizational structure, leadership styles, and corporate culture that impact the employment of people with disabilities in business and industry.       | INMG-400/600 Organizational Leadership .....                  | Students must achieve a "C" or better in all required courses to become specialized.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                                                                                                                                                  | REHAB-462/662 Management of Employees with Disabilities ..... |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                  | PSYC-382/582 Human Resource Management .....                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 2. Describe the roles of a rehabilitation professional when providing employer-based disability services, which includes working at all levels of business and industry from a team perspective. | REHAB-360/560 Assistive Technology .....                      | <b>*Employer Analysis</b><br>In order to develop an understanding of business and industry, an integral component of the specialization is an in vivo exposure to a business environment that will provide an internal perspective. The student/employer interaction will be culminated by an APA style paper to include a general overview of the company, a review of the company's experience with disability, an analysis of policies and procedures specific to disability related problems and risks, a review of previous interactions with rehabilitation professionals and consultants, identification of the primary barriers to cost containment and facilitating effective management of disabilities, and recommendations for future service delivery emphasizing the potential role(s) of the rehabilitation professional. Evaluation for the employer analysis exercise: oral presentation and faculty review of and approval of the final report. |
|                                                                                                                                                                                                  | REHAB-462/662 Management of Employees with Disabilities ..... |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                  | REHAB-460/660 Rehabilitation in the Private Sector .....      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 3. Demonstrate attitudes and skills needed to solve unique problems of workers with disabilities, including the issues of return-to-work.                                                        | REHAB-360/560 Assistive Technology .....                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                  | REHAB-462/662 Management of Employees with Disabilities ..... |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                  | REHAB-460/660 Rehabilitation in the Private Sector .....      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                  | REHAB-7XX Field Study or                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                  | REHAB-480 Advanced Practicum or                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 4. Recognize the need to address the concerns, needs, and fears of employers in hiring and employing people with disabilities.                                                                   | REHAB-XXX Cooperative Education .....                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                  | RC-387/587 Human Factors Engineering/Ergonomics .....         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                  | REHAB-462/662 Management of Employees with Disabilities ..... |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                  | REHAB-460/660 Rehabilitation in the Private Sector .....      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                  | REHAB-7XX Field Study or                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 5. Demonstrate the principles of cost containment in disability management including workplace safety, ergonomics, employee assistance programs, and disability prevention.                      | REHAB-480 Advanced Practicum or                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                  | REHAB-XXX Cooperative Education .....                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                  | RC-381/581 Principles of Occupational Safety and Loss .....   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                  | RC-387/587 Human Factors Engineering/Ergonomics .....         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                  | REHAB-462/662 Management of Employees with Disabilities ..... |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 6. Explain pertinent laws and legislative initiatives as well as relevant insurance regulations and their impact on business and industry.                                                       | REHAB-7XX Field Study or                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                  | REHAB-480 Advanced Practicum or                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 7. Analyze company's policies and procedures specific to disability-related problems and risks including identification of the primary barriers to cost containment.                             | REHAB-XXX Cooperative Education .....                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                  | REHAB-7XX Field Study or                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                  | REHAB-480 Advanced Practicum or                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                  | REHAB-XXX Cooperative Education .....                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

## Digital Photography

This specialization pulls together several courses into a coherent cluster of learning activities which emphasize the digital aspect of photography to serve both on-campus students and the needs for continuing professional education.

With elimination of wet darkrooms associated with conventional photography, many organizations are bringing photographic services

in-house using electronic systems. Digital photography is marketed as being foolproof, but the task of obtaining, manipulating, and presenting quality images remains daunting. People need to be trained in this new technology as part of their continuing professional education.

The addition of digital photography to your professional preparation can provide an important competitive edge.

## Requirements for the Specialization

| Intended Outcome                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Learning Activity                                                                                                                                                                                             | Evaluation                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| <b>1.0 Demonstrate understanding and application of the technical aspects of digital image acquisition</b><br>1.1 Demonstrate understanding of photographic exposure<br>1.2 Demonstrate understanding of the principle of reciprocity<br>1.3 Demonstrate understanding of depth-of-field<br>1.4 Demonstrate understanding of image resolution<br>1.5 Demonstrate ability to scan using both flatbed and film scanners<br>1.6 Demonstrate understanding of file type.<br>1.7 Demonstrate knowledge of strengths of various films and digital inputs. | MEDIA-204 Exploring Photography..... 3<br>MEDIA 405/605 Advanced Photography ..... 3<br>MEDIA 450/650 Digital Photography ..... 3                                                                             | Objective and subjective tests, work sample analysis, behavioral observation. |
| <b>2.0 Demonstrate understanding and application of the technical aspects of digital image manipulation using industry accepted software and procedures.</b>                                                                                                                                                                                                                                                                                                                                                                                        | MEDIA 450/650 Digital Photography ..... 3                                                                                                                                                                     | Objective and subjective tests, work sample analysis, behavioral observation. |
| <b>3.0 Demonstrate the effective use of photographic lighting for a variety of subjects and situations</b><br>3.1 Demonstrating studio lighting for still-life, portraiture, and the like<br>3.2 Demonstrate location lighting<br>3.3 Demonstrate safety precautions when using lighting systems.<br>3.4 Demonstrate ability to do photography in the non-visible spectrum<br>3.5 Demonstrate ability to balance mixed light sources.                                                                                                               | MEDIA 405/605 Advanced Photography ..... 3<br>MEDIA 430/630 Digital Audio and Video Production Fundamentals ..... 3<br>MEDIA 410/610 Product Photography ..... 3                                              | Objective and subjective tests, work sample analysis, behavioral observation. |
| <b>4.0 Describe and evaluate legal issues involving such topics as ownership, copyright, contracts, permission or releases, liability and the like.</b>                                                                                                                                                                                                                                                                                                                                                                                             | MEDIA 450/650 Digital Photography ..... 3<br>MEDIA 430/630 Audio/Video Production ..... 3                                                                                                                     | Objective and subjective tests, work sample analysis, behavioral observation. |
| <b>5.0 Develop and maintain a digital image cataloging, storage, and retrieval system.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                          | MEDIA 450/650 Digital Photography ..... 3<br>MEDIA 430/630 Digital Audio and Video Production Fundamentals ..... 3<br>MEDIA 410/610 Product Photography ..... 3<br>MEDIA 405/605 Advanced Photography ..... 3 | Objective and subjective tests, work sample analysis, behavioral observation. |
| <b>6.0 Prepare digital images for presentation via electronic distribution, print display, electronic pre-press, video and other methods.</b>                                                                                                                                                                                                                                                                                                                                                                                                       | MEDIA 450/650 Digital Photography ..... 3<br>MEDIA 405/605 Advanced Photography ..... 3<br>MEDIA 430/630 Digital Audio and Video Production Fundamentals ..... 3                                              | Objective and subjective tests, work sample analysis, behavioral observation. |
| <b>7.0 Develop and maintain a digital image cataloging, storage, and retrieval system.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                          | MEDIA 405/605 Advanced Photography ..... 3<br>MEDIA 430/630 Digital Audio and Video Production Fundamentals ..... 3<br>MEDIA 410/610 Product Photography ..... 3                                              | Objective and subjective tests, work sample analysis, behavioral observation. |
| <b>8.0 Identify markets for photographic images.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | MEDIA 430/630 Digital Audio and Video Production Fundamentals ..... 3<br>MEDIA 410/610 Product Photography ..... 3<br>MEDIA 405/605 Advanced Photography ..... 3                                              | Objective and subjective tests, work sample analysis, behavioral observation. |
| <b>9.0 Write specifications and identify sources for electronic imaging systems.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                | MEDIA 430/630 Digital Audio and Video Production Fundamentals ..... 3<br>MEDIA 410/610 Product Photography ..... 3<br>MEDIA 405/605 Advanced Photography ..... 3                                              | Objective and subjective tests, work sample analysis, behavioral observation. |

## Gerontology Certification

The populations of the United States and the world are growing older, precipitating important changes in health and social policies. At present, one in eight Americans are 65 or older. These growing numbers will increase demand for individuals with gerontological skills and knowledge. The Gerontology Certification requires 20 credits, or

equivalent, and includes a required core and practicum through which students study aging as an interactive process of physical, social and psychological forces. Two credits of field experience with aging-related content will be required in the student's own major area of study.

## Requirements for the Specialization

| Intended Outcome                                                                                                                                                                                                                                  | Learning Activity                                                                                                                               | Evaluation                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| The following outcomes will be achieved through required courses:                                                                                                                                                                                 |                                                                                                                                                 |                                                  |
| 1. Identify major biological theories of aging.                                                                                                                                                                                                   | BIO-125 Biology of Aging ..... 3                                                                                                                | Exam, papers, reports<br>2.0 grade point average |
| 2. Identify and describe the biological changes associated with aging.                                                                                                                                                                            |                                                                                                                                                 |                                                  |
| 3. Recognize normal and pathological changes that occur in organ systems with age.                                                                                                                                                                | HDFL-340/540 Human Development: Aging Person ..... 3<br>BIO-125 Biology of Aging ..... 3                                                        | Exam, papers, reports<br>2.0 grade point average |
| 4. Comprehend the social, political and economic aspects of aging.                                                                                                                                                                                | HDFL-340/540 Human Development: Aging Person ..... 3                                                                                            | Exam, papers, reports<br>2.0 grade point average |
| 5. Recognize and discard stereotypes associated with aging.                                                                                                                                                                                       |                                                                                                                                                 |                                                  |
| 6. Work in direct or indirect service to the older population.                                                                                                                                                                                    | Field Experience                                                                                                                                | Evaluation of field experience                   |
| The following outcomes may be achieved through the student's selection of elective courses:                                                                                                                                                       |                                                                                                                                                 |                                                  |
| 7. Understand lifespan concept of development and demonstrate an integrated knowledge of the aging individual within the context of family.                                                                                                       | HDFL-255 Lifespan Human Development..... 3                                                                                                      | Exam, papers, reports<br>2.0 grade point average |
| 8. Understand the reciprocal nature of family caregiving.                                                                                                                                                                                         | HDFL-341/541 Family Caregiving to Dependent Elders..... 1                                                                                       | Exam, papers, reports<br>2.0 grade point average |
| 9. Understand the process of grief for older adults.                                                                                                                                                                                              | HDFL-425/625 Death Education and Counseling in Families ..... 2                                                                                 | Exam, papers, reports<br>2.0 grade point average |
| 10. Recognize personal and cultural attitudes toward death.                                                                                                                                                                                       | HDFL-351 Death and the Family..... 1                                                                                                            | Exam, papers, reports<br>2.0 grade point average |
| 11. Identify and understand the ethical issues related to health care for the elderly.                                                                                                                                                            | HDFL-345/545 Health Care Dilemmas and Decisions for Families ..... 2                                                                            | Exam, papers, reports<br>2.0 grade point average |
| 12. Demonstrate ability to plan and develop nutritious meals and programs for older individuals which take into account physical and financial limitations.                                                                                       | FN-405/605 Nutrition for the Aged..... 2                                                                                                        | Exam, papers, reports<br>2.0 grade point average |
| 13. Assist aging individuals, especially those with physical limitations, to find suitable and aesthetically pleasing clothing. Understand the product needs of older consumers and the promotional strategies used to market to this population. | BURL-335/535 Topics: Minorities and Aging Consumers..... 2                                                                                      | Exam, papers, reports<br>2.0 grade point average |
| 14. Understand counseling approaches and techniques for working with aging families in order to construct models for counseling older individuals and their families.                                                                             | COUN-494/694 Counseling the Older Person..... 2-3                                                                                               | Exam, papers, reports<br>2.0 grade point average |
| 15. Assist older individuals and their families with financial planning.                                                                                                                                                                          | HT-488 Financial Planning for Retirement ..... 2                                                                                                | Exam, papers, reports<br>2.0 grade point average |
| 16. Identify the effects of exercise upon an older individual.                                                                                                                                                                                    | HLTH-365 Physiology of Exercise..... 3                                                                                                          | Exam, papers, reports<br>2.0 grade point average |
| 17. Explain the psychological and physiological dimensions and impact of disability from a developmental perspective.                                                                                                                             | BIO-220 Physiology of Disabilities ..... 3<br>REHAB-230 Psychosocial Aspects of Disability..... 3<br>REHAB-682 Sexuality and Disability ..... 2 | Exam, papers, reports<br>2.0 grade point average |
| 18. Identify needs and difficulties unique to older disabled workers.                                                                                                                                                                             | REHAB-355/555 Rehabilitation of the Older Disabled Worker ..... 2                                                                               | Exam, papers, reports<br>2.0 grade point average |
| 19. Identify formal support systems available to older persons with special needs or national, state and local needs.                                                                                                                             | REHAB-458/658 Rehabilitation Support System Networking..... 2                                                                                   | Exam, papers, reports<br>2.0 grade point average |
| 20. Explain various understandings of the meaning of aging as portrayed in literature.                                                                                                                                                            | LIT-450 Aging in Literature..... 3                                                                                                              | Exam, papers, reports<br>2.0 grade point average |
| 21. Identify architectural barriers confronted by the disabled traveler.                                                                                                                                                                          | HT-360/560 Hospitality and the Handicapped Traveler ..... 1                                                                                     | Exam, papers, reports<br>2.0 grade point average |
| 22. Understand the range of technological options available to assist frail and/or disabled elderly.                                                                                                                                              | REHAB-360/560 Assistive Technology ..... 2                                                                                                      | Exam, papers, reports<br>2.0 grade point average |
| 23. Identify and describe absorption and metabolism of medications in the elderly.                                                                                                                                                                | BIO-358 Introduction to Pharmacology ..... 2                                                                                                    | Exam, papers, reports<br>2.0 grade point average |

## Golf Enterprise Management

This specialization will prepare students for careers in the management of golf operations. Students will demonstrate their knowledge and skills through applied activities and assessment of theoretical principles, benefiting from the “hands on, minds on” approach to learning. The specialization will enhance degree programs in General Business Administration; Hotel, Restaurant and Tourism Management; and Service

Management as well as the professional careers of persons seeking employment in the golf industry. This specialization is supported by the golf industry to address the need for employees with knowledge of the industry and the skills required to manage the many aspects of a golf-related business.

## Requirements for the Specialization

**18-22 credits required.**

| Intended Outcome                                                                                                                                                                                                            | Learning Activity                                                                                                       | Evaluation                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| Students will be able to:                                                                                                                                                                                                   |                                                                                                                         |                                                                           |
| Required courses: 9-12 credits                                                                                                                                                                                              |                                                                                                                         |                                                                           |
| 1. Understand major trends in the golf industry, including tourism, consumer interests, course ownership and management, and golf retail business.                                                                          | SVRM-101 Introduction to Golf Enterprise Management ..... 1<br>SRVM-XXX Principles of Golf Enterprise Management..... 3 | Successful completion of required courses with a grade of “C” or better.  |
| 2. Distinguish missions of principal national and international associations in the golf industry.                                                                                                                          | SVRM-101 Introduction to Golf Enterprise Management ..... 1                                                             |                                                                           |
| 3. Understand golf facility operations from perspectives of resort, private, municipal, and daily fees courses.                                                                                                             | SRVM-XXX Principles of Golf Enterprise Management..... 3                                                                |                                                                           |
| 4. Understand basic business principles as applicable to golf enterprise management.                                                                                                                                        | SRVM-XXX Principles of Golf Enterprise Management ..... 3                                                               |                                                                           |
| 5. Understand issues and strategies for developing new customers and retention of past customers of golf operations.                                                                                                        | PE-XXX GEM Customer Development and Retention ..... 3                                                                   |                                                                           |
| 6. Develop basic golf skills.                                                                                                                                                                                               | PE-129 Golf ..... 1                                                                                                     |                                                                           |
| 7. Integrate the knowledge and skills obtained in the courses in the Golf Enterprise Management specialization through a practical experience in the golf industry.                                                         | XXX-XXX Co-op or field experience in a golf enterprise venue ..... 1-4                                                  |                                                                           |
| Based upon the selective courses chosen the student will be able to:                                                                                                                                                        |                                                                                                                         |                                                                           |
| Selective courses: 9-13 credits                                                                                                                                                                                             |                                                                                                                         |                                                                           |
| 8. Explain the concepts of raising, allocating and controlling capital for business entities; analyze the income tax system and its relevance with business decisions; analyze financial data to make investment decisions. | BUACT-340 Business Finance ..... 3                                                                                      | Successful completion of selective courses with a grade of “C” or better. |
| 9. Develop a business plan that addresses the strategies required to start a small business including legal and financial aspects.                                                                                          | BUMGT-480 Entrepreneurship: Small Business Planning..... 3                                                              |                                                                           |
| 10. Demonstrate an understanding of the retail, wholesale, advertising, channels of distribution from perspectives of manufacturer to customer.                                                                             | BUMKG- 330 Principles of Marketing ..... 3                                                                              |                                                                           |
| 11. Analyze the retailing process, the environment within which it operates, and the institutions and functions that are performed.                                                                                         | BURL-127 Basic Merchandising ..... 3                                                                                    |                                                                           |
| 12. Integrate the principles of golf resort planning and operation from the aspects of the resort concept, master planning, environmental impact, facility design, maintenance and operational management.                  | HT-330 Resort Planning and Operation ..... 3                                                                            |                                                                           |
| 13. Evaluate diversified natural and man-made background tourism elements (BTE) and the preservation and incorporation of these concepts for development of tourism destinations.                                           | HT-340 Development of Tourism Attractions ..... 3                                                                       |                                                                           |





| Intended Outcome                                                                                                                                                                    | Learning Activity                                                         | Evaluation |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|------------|
| 14. Understand management of golf club operations from perspectives of customer service for membership, personnel, marketing, and financing.                                        | HT-352 Club Management ..... 3                                            |            |
| 15. Evaluate the factors involved in developing and managing a golf property including the feasibility, financing, appraisal, leases, purchase agreements and management contracts. | HT-371 Commercial/Residential Property Development and Management ..... 3 |            |
| 16. Develop interpersonal communication attitudes and skills for effective business practices.                                                                                      | PSYC-370 Interpersonal Effectiveness Training ..... 2                     |            |
| 17. Understand consumer behavior from the perspectives of psychological theories and principles.                                                                                    | PSYC-377 Consumer Psychology ..... 3                                      |            |
| 18. Understand basic public relations strategies for community, employee, customer, and media applications.                                                                         | PSYC-379 Public Relations ..... 2                                         |            |
| 19. Understand theories and techniques for effective management of personnel.                                                                                                       | PSYC-382 Human Resource Management ..... 3                                |            |
| 20. Examine the environment in which service operations such as golf operate from the perspective of both the customer and operations management.                                   | INMGT-210 Service Operations Management ..... 3                           |            |
| 21. Analyze the service management strategies used in the golf industry as contrasted with other economic sectors.                                                                  | SRVM-354 Service Marketing Management ..... 3                             |            |
| 22. Evaluate how national and cultural constraints and expectations impact planning, execution, and evaluation of service quality in the golf industry.                             | SRVM-420 International Service Concepts ..... 3                           |            |



## Health Science Occupations Education

This specialization meets the Department of Public Instruction Health Science Occupations-911 certification, a new certification developed to lessen workforce shortages in the health care industry. Students must be currently certified teachers in family and consumer education,

health education, or life and environmental science education in the state of Wisconsin, or student must be enrolled in related career and technical education programs. Courses are offered online. The field experience will take place in a health care facility.

## Requirements for the Specialization

**12 credits required**

| Intended Outcome                                                                                    | Learning Activity                                                                                                    | Evaluation                                                                                                                |
|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Demonstrate knowledge, understanding, and competence in the following:                              |                                                                                                                      |                                                                                                                           |
| 1. The demands and responsibilities of working in a health care facility                            | CTE-398/598 Field Experience..... 1-2<br>CTE-310/510 Foundations of Health Science Occupations Education..... 3      | Successful completion of courses is required. Artifacts for the professional portfolio are identified on course outlines. |
| 2. National Health Care Skill Standards                                                             | CTE-310/510 Foundations of Health Science Occupations Education..... 3<br>CTE-320/520 Careers in Health Care ..... 3 | Successful completion of courses is required. Artifacts for the professional portfolio are identified on course outlines. |
| 3. Curriculum planning in health science occupations                                                | CTE-330/530 Curriculum Planning in Health Science Occupations ..... 3                                                | Successful completion of course is required. Artifacts for the professional portfolio are identified on course outline.   |
| 4. Organizational structure and administration of health care and role of health care professionals | CTE-310/510 Foundations of Health Science Occupations Education..... 3                                               | Successful completion of course is required. Artifacts for the professional portfolio are identified on course outline.   |
| 5. Student career development                                                                       | CTE-320/520 Careers in Health Care ..... 3                                                                           | Successful completion of course is required. Artifacts for the professional portfolio are identified on course outline.   |
| 6. Organization and supervision of work-based learning                                              | CTE-360/560 Cooperative Occupational Education Programs ..... 2                                                      | Successful completion of course is required. Artifacts for the professional portfolio are identified on course outline.   |

## International Studies

As the world moves toward the 21st century, people in all countries and cultures are increasingly interacting with each other. Many UW-Stout graduates find work in multinational businesses and international tourism. Others go into the Peace Corps or other types of international volunteer work. Many more use their leisure time for travel or study abroad. Even those who never venture abroad find their professional, civic and personal lives impacted by the expansion of international relationships.

The International Studies specialization at UW-Stout is flexibly designed to offer students an opportunity to better understand other cultures and international relationships, and to compete more successfully in the workplace. The specialization requires all students to complete six core courses or their equivalents, then select an option that best meets their interests and needs.

All students in the specialization are strongly encouraged to plan work or study experience abroad.

## Requirements for the Specialization

| Intended Outcome                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Learning Activity                                                                                                                                                                                                                                 | Evaluation                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| <b>1.0 Demonstrate an understanding of international relations.</b><br>1.1 Show an understanding of concepts used to analyze international relations.<br>1.2 Identify participants and patterns of international relationships.<br>1.3 Identify and analyze global problems arising from international relations.                                                                                                                                                                                                                               | POLS-340 International Relations ..... 3                                                                                                                                                                                                          | Exams, papers and reports – 2.0 grade point average.                                                   |
| <b>2.0 Demonstrate an understanding of cultural variation and analysis, or demonstrate an understanding of the modern world within its historical context.</b><br>2.1 Show an understanding of concepts used to analyze cultural variation or develop an introductory knowledge of the modern world based on its historical antecedents.<br>2.2 Identify and begin to understand the complexity of cultural and political variations that exist in the world.<br>2.3 Demonstrate a cross-cultural approach to analyzing international problems. | ANTH-220 Introduction to Cultural Anthropology or<br>HIST-210 Modern World ..... 3                                                                                                                                                                | Exams, papers and reports – 2.0 grade point average.                                                   |
| <b>3.0 Demonstrate an understanding of the geography and peoples of the world.</b><br>3.1 Illustrate an understanding of geographical concepts.<br>3.2 Identify the major components of the physical setting in which cultures exist and international relations occur.<br>3.3 Identify and analyze the relationships between the physical world, on the one hand, and cultural variation and international relations on the other.                                                                                                             | GEOG-104 World Geography..... 3                                                                                                                                                                                                                   | Exams, papers and reports – 2.0 grade point average.                                                   |
| <b>4.0 Demonstrate an introductory knowledge of a second language.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | XXX-XXX Language Studies ..... 8<br>Equivalent of 8 credits of college-level study of one foreign language. High school language study may count towards this requirement. ( <i>International students consult with specialization adviser.</i> ) | <i>For Language Studies, certification of proficiencies may be obtained from the language faculty.</i> |
| <b>5.0 Demonstrate an introductory knowledge of the history, culture and/or social institutions of a country or region other than one's own.</b>                                                                                                                                                                                                                                                                                                                                                                                                | XXX-XXX Area Studies ..... 2-3<br>(See specialization advisor for a list of acceptable courses focusing on one country or cultural region of the world.)                                                                                          | Exams, papers and reports – 2.0 grade point average.                                                   |
| <b>6.0 Demonstrate an introductory knowledge of intercultural communications.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                               | SPCOM-312 Intercultural Communication or<br>BUIINB-346 Intercultural Business Interactions..... 2-3                                                                                                                                               | Exams, papers and reports – 2.0 grade point average.                                                   |
| <b>7.0 Demonstrate the integration of knowledge with experience in another country or culture.</b><br>7.1 Study or work in another culture.<br>7.2 Show an appreciation of the diversity in cultural values from culture to culture.<br>7.3 Demonstrate an integration of intercultural experiences with other knowledge about international relations.                                                                                                                                                                                         | XXX-XXX Study Abroad/International Field Experience or Co-op or Internship ..... 1-2<br>(Approved Independent Study/Practical International Experience.)                                                                                          | Exams, papers and reports – 2.0 grade point average.                                                   |



| Specialized Learning Objectives                                                                                                                             | Learning Activity                                                                                                                                                                                                                                                                                                                                                                                                                                              | Evaluation                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| <b>Option 1: International Business</b>                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                         |
| <b>1.1.0 Demonstrate an understanding of international business practices.</b>                                                                              | <i>Select 9 credits from the following:</i>                                                                                                                                                                                                                                                                                                                                                                                                                    | Exams, papers and reports –<br>2.0 grade point average. |
| 1.1.1 Demonstrate an understanding of international trade, development, marketing, finance business law, management and/or transportation.                  | BUINB-260 Introduction to International Business ( <i>required</i> )..... 3<br>ECON-480 International Economics..... 3<br>BUINB-338 International Logistics..... 3<br>BUINB-485 International Marketing..... 3<br>BUINB-489 International Business Policies ..... 3<br>BUINB-488 International Business Practicum..... 3<br>BUINB-367 International Management ..... 3                                                                                         |                                                         |
| <b>Option 2: International Tourism</b>                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                         |
| <b>2.1.0 Demonstrate a knowledge of the international components of the tourism industry.</b>                                                               | <i>Select 7-9 credits from the following:</i>                                                                                                                                                                                                                                                                                                                                                                                                                  | Exams, papers and reports –<br>2.0 grade point average. |
| 2.1.1 Identify the economic role of tourism in a global economy.                                                                                            | HT-140 Introduction to Tourism ..... 2                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                         |
| 2.1.2 Identify the role of government in planning/development of tourism.                                                                                   | HT-341 Geography of Tourism ..... 3                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                         |
| 2.1.3 Analyze current issues related to international tourism.                                                                                              | HT-440 Sociocultural System of Tourism ..... 3                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                         |
| 2.1.4 Analyze/become familiar with hospitality and tourism publications.                                                                                    | HT-481 Special Problems in Hospitality and Tourism ..... 1-3                                                                                                                                                                                                                                                                                                                                                                                                   |                                                         |
| <b>2.2.0 Assess quality and quantity of selected tourism resources throughout the world.</b>                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                         |
| 2.2.1 Analyze spatial patterns of connection, circulation, interaction, transportation and communication associated with the geography of tourism.          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                         |
| 2.2.2 Analyze international tourism's locational trends.                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                         |
| 2.2.3 Illustrate world map reading skills related in tourism                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                         |
| <b>2.3.0 Analyze current tourism topics.</b>                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                         |
| <b>Option 3: Language Studies</b>                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                         |
| <b>3.1.0 Demonstrate the ability to communicate in a second language.</b>                                                                                   | <i>Select 16 credits from the following:<br/>(8 additional credits in the same language as the core requirement.)<br/>Equivalent of two years of college-level study in the same foreign language.</i>                                                                                                                                                                                                                                                         | Exams, papers and reports –<br>2.0 grade point average. |
| <b>Option 4: Area Studies</b>                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                         |
| <b>4.1.0 Demonstrate an understanding of the history, cultural background and social institutions of a culture, country or region other than one's own.</b> | <i>Select 8-9 credits in addition to the core area studies requirement:<br/>Specialization adviser-approved courses focusing on one country, one ethnic/cultural group or cultural region of the world. (For example, the following courses could serve as an "area studies" grouping: HMON-121 and -122 Practical Hmong I and II; SOC-350 Sociology of the Hmong; and ANTH-240 Hmong Studies and Contemporary Life. These courses would total 8 credits.)</i> | Exams, papers and reports –<br>2.0 grade point average. |
| <b>Option 5: International Education</b>                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                         |
| <b>5.1.0 Illustrate an understanding of the sociopolitical elements of education in a global context.</b>                                                   | <i>Select 8-9 credits from the following:</i>                                                                                                                                                                                                                                                                                                                                                                                                                  | Exams, papers and reports –<br>2.0 grade point average. |
| <b>5.2.0 Demonstrate an understanding of the role of education in building a community of learners for a shared global future.</b>                          | EDUC-336 Multiculturalism: Issues and Perspectives ..... 2                                                                                                                                                                                                                                                                                                                                                                                                     |                                                         |
| <b>5.3.0 Show a receptivity to multicultural perspectives.</b>                                                                                              | EDUC-376 Field Experience: Cross-Cultural Experience ..... 1                                                                                                                                                                                                                                                                                                                                                                                                   |                                                         |
| <b>5.4.0 Demonstrate an awareness and understanding of the global condition and of global developments and trends.</b>                                      | EDUC-302 Global Perspectives for Educators..... 3                                                                                                                                                                                                                                                                                                                                                                                                              |                                                         |
|                                                                                                                                                             | EDUC-400 ESL for Regular Classroom Educators ..... 2                                                                                                                                                                                                                                                                                                                                                                                                           |                                                         |
|                                                                                                                                                             | REHAB-305 Sign Language I ..... 3                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                         |
|                                                                                                                                                             | REHAB-306 Sign Language II ..... 3                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                         |
|                                                                                                                                                             | XXX-XXX Foreign language taken at Stout ( <i>FREN, GER, HMON, SPAN</i> )<br>or other foreign languages transferred in..... 2-4                                                                                                                                                                                                                                                                                                                                 |                                                         |
|                                                                                                                                                             | LIT-273 American Multicultural Literature ..... 3                                                                                                                                                                                                                                                                                                                                                                                                              |                                                         |
|                                                                                                                                                             | PHIL-220 Multicultural Philosophy ..... 3                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                         |
|                                                                                                                                                             | BUINB-260 Introduction to International Business..... 3                                                                                                                                                                                                                                                                                                                                                                                                        |                                                         |
|                                                                                                                                                             | SOC-375 Sociology of Minority Groups..... 3                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                         |
|                                                                                                                                                             | XXX-XXX Student teaching, co-op, field experience or independent study..... 3-4                                                                                                                                                                                                                                                                                                                                                                                |                                                         |
| <b>Option 6: Apparel Design and Development; Retailing</b>                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                         |
| <b>6.1.0 Demonstrate an understanding of international economic trends influencing textiles and apparel-related areas.</b>                                  | <i>Select 9-12 credits from the following:</i>                                                                                                                                                                                                                                                                                                                                                                                                                 | Exams, papers and reports –<br>2.0 grade point average. |
| <b>6.2.0 Illustrate an understanding of international historical influences on present day fashion</b>                                                      | BURTL-319 International Economic Trends in Textiles and Clothing..... 3                                                                                                                                                                                                                                                                                                                                                                                        |                                                         |
| <b>6.3.0 Analyze international sourcing and marketing strategies for apparel products and manufacturing.</b>                                                | APRL-410 History of Costume-Ancient to European..... 3                                                                                                                                                                                                                                                                                                                                                                                                         |                                                         |
| <b>6.4.0 Demonstrate an understanding of international business practices through formal course work.</b>                                                   | APRL-211 History of Fashion_19th Century to Present ..... 3                                                                                                                                                                                                                                                                                                                                                                                                    |                                                         |
|                                                                                                                                                             | BURTL-417 Social/Psychological Aspects of Clothing..... 3                                                                                                                                                                                                                                                                                                                                                                                                      |                                                         |
|                                                                                                                                                             | APRL-405 International Study Tour of the Fashion Industry..... 1-6                                                                                                                                                                                                                                                                                                                                                                                             |                                                         |
|                                                                                                                                                             | BUINB-260 Introduction to International Business..... 3                                                                                                                                                                                                                                                                                                                                                                                                        |                                                         |
|                                                                                                                                                             | BUINB-367 International Management ..... 3                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                         |
|                                                                                                                                                             | BUINB-485 International Marketing..... 3                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                         |

## Professional Writing

The Professional Writing specialization addresses an area of critical importance – clearly communicating information. The program is intended for those who wish to gain professional writing skills to help them find employment, and those who wish to improve their writing

skills to gain promotions or explore new career directions. Graduates of this program will be able to clarify technical concepts for a wide range of audiences, especially non-technical ones.

## Requirements for the Specialization

**18 credits required. No courses may be used to fulfill two objectives.**

| Intended Outcome                                                                                           | Learning Activity                                                                                                                                                                                                                                                                                                                                                                                                                      | Evaluation                                                                                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Interact with clients in order to produce their documents.                                              | <p><i>Follow a sequence of activities, under supervision, to produce a document, starting with an initial interview and progressing to a final document. Take one course.</i></p> <p>ENGL-X49 Cooperative Education Program in Arts and Sciences ..... 3</p> <p>ENGL-437 Technical Writing Practicum ..... 3</p>                                                                                                                       | <p>1. Review of completed documents by teacher.</p> <p>2. Acceptance of document by client.</p> <p>3. Client evaluation of writer as having adequately performed at all stages in the sequence–use questionnaire.</p>                         |
| 2. Design documents for effective arrangement of page elements. Learn basic principles of document design. | <p><i>Under supervision of a teacher, determine design needs of particular documents and produce the documents. Take one course.</i></p> <p>ENGL-435 Writing Technical Manuals ..... 3</p> <p>ENGL-XXX Document Design ..... 3</p>                                                                                                                                                                                                     | <p>1. Review of completed design by teacher.</p>                                                                                                                                                                                              |
| 3. Use various strategies to research information in depth.                                                | <p><i>Structured sequence of activities that teach students the strategies to use in order to find and evaluate material to use in documents. Take one course.</i></p> <p>ENGL-346 Research Reporting ..... 3</p> <p>ENGL-207 Writing for the Media..... 3</p>                                                                                                                                                                         | <p>1. Evaluation of writing by teacher–oral, exercises.</p> <p>2. Presentation of final document by writer.</p> <p>3. Teacher evaluation of adequate performance at all stages in the sequence–observations.</p>                              |
| 4. Adapt, direct and produce information for a particular audience.                                        | <p><i>Structured sequence of activities that train students in concepts of audience adaptation and develop flexibility in adapting to audience. Take one course.</i></p> <p>ENGL-320 Business Writing..... 3</p> <p>ENGL-343 Rhetoric of Technology..... 3</p> <p>ENGL-361 Hypertext Writing ..... 3</p> <p>ENGL-371 Advanced Rhetoric ..... 3</p> <p>ENGL-388 Writing Multimedia ..... 3</p> <p>ENGL-415 Technical Writing..... 3</p> | <p>1. Teacher evaluation that student has conceptual knowledge of adapting for an audience–tests, exercises.</p> <p>2. Teacher evaluation that student has flexibility in adapting for an audience–exercises.</p>                             |
| 5. Organize and present written material in a clear, concise manner.                                       | <p><i>Structured sequence of activities that train students in organizing for a particular audience situation. Take one course.</i></p> <p>ENGL-245 Creative Writing..... 3</p> <p>ENGL-247 Critical Writing..... 3</p> <p>ENGL-361 Hypertext Writing ..... 3</p> <p>ENGL-388 Writing Multimedia ..... 3</p>                                                                                                                           | <p>1. Teacher evaluation that student has acceptable conceptual knowledge of organization and concise presentation– exercises.</p> <p>2. Teacher evaluation that student has flexibility in presenting different organizations–exercises.</p> |
| 6. Produce information according to business and industry standards of                                     | <p><i>Structured sequence of activities that train students in style concepts and flexibility. Take one course.</i></p> <p>ENGL-225 Copy Editing and Preparation ..... 3</p> <p>ENGL-340 Structure of English ..... 3</p>                                                                                                                                                                                                              | <p>1. Teacher evaluation that student has acceptable level of conceptual knowledge of style–tests, exercises.</p> <p>2. Teacher evaluation that student has acceptable style flexibility–exercises.</p>                                       |

## Public Relations/Public Information

This specialization is a suitable support program for undergraduate students enrolled in any program the university offers. Virtually every area of professional preparation can benefit from the study of public relations/public information. Institutions and organizations are increasingly aware of the need for sound management practices when dealing with publics and the value of those practices to society.

If UW-Stout students are to achieve their professional goals, they must be competent in developing relationships with many different organizations and understanding the attitudes and values represented by those organizations. Students completing this specialization would be better able to utilize professional communication skills, play an

integrative role in organizational management, assist in the definition and implementation of policy, and represent the organization's rights and responsibilities to the various publics.

Students should apply for the specialization one year before completing the requirements for it. To be admitted to the specialization, a student must have completed 12 credits in the behavioral and/or social sciences and six credits in business or business-related course work.

The specialization will be awarded to the student once all course work required for it has been completed and a minimum 3.0 grade point average has been earned in those courses.

## Requirements for the Specialization

| Intended Outcome                                                                                     | Learning Activity                                                                                                                                                                                              | Evaluation                                                                                                                                               |
|------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Anticipate and identify public opinion.                                                           | Complete the following courses:<br>PSYC-377 Consumer Psychology ..... 3<br>PSYC-379 Public Relations ..... 2                                                                                                   | Demonstrate recognition and comprehension of public opinion through minimum 2.75 grade point average on course expectation.                              |
| 2. Interpret and communicate public opinions' effect on the plans and operations of an organization. | Complete the following courses:<br>PSYC-377 Consumer Psychology ..... 3<br>PSYC-379 Public Relations ..... 2                                                                                                   | Demonstrate the ability to assess the effect of public opinion on organizations through minimum 2.75 grade point average on course expectation.          |
| 3. Recognize socially responsible behavior on the part of organizations.                             | Complete the following courses:<br>PHIL-275 Personal and Professional Ethics ..... 3<br>PSYC-377 Consumer Psychology ..... 3<br>PSYC-379 Public Relations ..... 2                                              | Demonstrate ability to identify organizational behavior that is socially responsible through minimum 2.75 grade point average on course expectation.     |
| 4. Anticipate public reaction to organization's policy decisions and courses of action.              | Complete the following courses:<br>SPCOM-200 Persuasive Speaking ..... 2<br>PSYC-479 Advanced Public Relations ..... 2                                                                                         | Demonstrate awareness of public reaction to organizational activity through minimum 2.75 grade point average on course expectation.                      |
| 5. Enhance the organizational image through advice to management.                                    | Complete the following courses:<br>SPCOM-200 Persuasive Speaking ..... 2<br>PSYC-479 Advanced Public Relations ..... 2                                                                                         | Demonstrate talent to provide sound advice regarding organizational image through minimum 2.75 grade point average on course expectation.                |
| 6. Design and conduct organizational audits (using approved public relations research techniques).   | Work on problem-based projects from the following:<br>PSYC-379 Public Relations ..... 2<br>PSYC-479 Advanced Public Relations ..... 2<br>PSYC-493 Field Practicum in Public Relations Specialization ..... 1-3 | Provide evidence of ability to develop tools for assessment and investigation of external and internal publics.                                          |
| 7. Compile and analyze data.                                                                         | Work on problem-based projects from the following:<br>PSYC-379 Public Relations ..... 2<br>PSYC-479 Advanced Public Relations ..... 2<br>PSYC-493 Field Practicum in Public Relations Specialization ..... 1-3 | Demonstrate comprehensive analysis through reports and presentations.                                                                                    |
| 8. Set objectives, plan and budget resources for public relations/public information activities.     | Complete the following courses:<br>PSYC-479 Advanced Public Relations ..... 2<br>PSYC-493 Field Practicum in Public Relations Specialization ..... 1-3                                                         | Provide evidence of ability to set program goals and objectives and develop program budget.                                                              |
| 9. Develop program strategies.                                                                       | Complete the following courses:<br>TCS-103 Communication and Information Technology ..... 3<br>ENGL-246 Informational Writing ..... 3<br>PSYC-479 Advanced Public Relations ..... 2                            | Demonstrate ability to select appropriate audience, messages and media to carry out program goals and objectives through reports from field supervisors. |
| 10. Implement campaigns to influence organizational goals.                                           | Complete the following courses:<br>TCS-103 Communication and Information Technology ..... 3<br>ENGL-246 Informational Writing ..... 3<br>PSYC-479 Advanced Public Relations ..... 2                            | Demonstrate ability to accomplish campaigns/programs through reports from field supervisors.                                                             |
| 11. Evaluate public relations/public information programs.                                           | Work on problem-based projects from the following:<br>PSYC-379 Public Relations ..... 2<br>PSYC-479 Advanced Public Relations ..... 2<br>PSYC-XXX Practicum Experience ..... 1-3                               | Provide evidence of campaign/program success or failure through examination and evaluation of actual outcomes.                                           |

## Spanish

Spanish is a practical skill as well as an academic and aesthetic domain. The Spanish speaking population of the United States needs to be served through communication about practical needs as well as through cultural appreciation.

The Specialization in Spanish consists of the four communication skills basic to learning another language: listening, speaking, reading and writing, as well as experience in and study of cross-cultural issues, appreciation of a variety of fine arts and literary genres, and practical knowledge of the Spanish language applied to work and other life situations.

The program is suitable for non-traditional students because it builds upon knowledge they may have acquired through personal experience or in the classroom. The recommended activities for this specialization include courses which are ideal for "brushing up," and are designed so that material will be varied when students take the courses more than once. The specialization can be completed in one year, not considering the field experience, if the student has sufficient background in Spanish, so it is a good credential to combine with a graduate program or to complement a diploma from another university.

## Requirements for the Specialization

| Intended Outcome                                                                                                                                                                                    | Learning Activity                                                                                                                                                                                                                                                                                                                                                                                | Evaluation                                                                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Use general vocabulary to speak Spanish about topics of common or personal interest.                                                                                                             | <p>Complete the following courses:</p> <p>SPAN-103 Elementary Spanish or<br/>SPAN-121 and -122 Practical Spanish I and II..... 4<br/>SPAN-104 Elementary Spanish II ..... 4<br/>SPAN-201 Intermediate Spanish I ..... 4<br/>SPAN-202 Spanish II ..... 4<br/>SPAN-227 Spanish Conversation and Composition..... 2<br/>SPAN-229 Hispanic Literature in America ..... 2<br/>or other experience</p> | Grade of B or better in a Third Year Spanish Course, or credits for speaking on the Brigham Young exam, ACTFL Intermediate Low rating, or other approved test of spoken Spanish.                               |
| 2. Understand native speakers talking at average speed.                                                                                                                                             | SPAN-227 Spanish Conversation and Composition, or study abroad                                                                                                                                                                                                                                                                                                                                   | Grade of B or better in Spanish 227, or credits for listening on Brigham Young exam, ACTFL Intermediate Low rating, or other approved test of listening comprehension.                                         |
| 3. Write paragraphs to express a personal point of view.                                                                                                                                            | <p>Complete the following courses:</p> <p>SPAN-103 Elementary Spanish or<br/>SPAN-121 and -122 Practical Spanish I and II..... 4<br/>SPAN-104 Elementary Spanish II ..... 4<br/>SPAN-201 Intermediate Spanish I ..... 4<br/>SPAN-202 Spanish II ..... 4<br/>SPAN-227 Spanish Conversation and Composition..... 2<br/>SPAN-229 Hispanic Literature in America ..... 2<br/>or other experience</p> | Grade of B, or better in SPAN-227 Spanish Conversation and Composition, or in SPAN-229 Hispanic Literature in America, or credits for writing paragraphs on Brigham Young exam or other approved writing test. |
| 4. Read authentic journalistic prose or other reports, understanding the general meaning, coping well with grammatical nuances and complexities, and inferring meanings, for most unfamiliar words. | SPAN-201 Intermediate Spanish I and SPAN-227 Spanish Conversation and Composition, or extensive and careful reading of magazines and newspapers.                                                                                                                                                                                                                                                 | Grade of B or better in Spanish 227, other Third Year course based on journalistic prose, or departmental examination.                                                                                         |
| 5.1 Recognize and interpret cultural differences in written material and conversational situations.                                                                                                 | SPAN-229 Hispanic Literature in America or other Spanish literature course and cross-cultural readings recommended by department                                                                                                                                                                                                                                                                 | Grade of B or better in Spanish 229 or departmental examination based on cross-cultural readings and applied to conversational dialogues and literary passages.                                                |
| 6. Interact with ease in professional, social and tourist situations where Spanish is the language of communication.                                                                                | A minimum of two weeks living experience among native speakers of Spanish.                                                                                                                                                                                                                                                                                                                       | Participate in a videotaped conversation or interview, in Spanish, fifteen minutes or more, with the collaboration of a native speaker or other appropriate individual.                                        |
| 7. Appreciate the usefulness of Spanish in real life situations.                                                                                                                                    | Personally use Spanish in practical situations, interview about ten people who use Spanish in travel or social or work situations.                                                                                                                                                                                                                                                               | Ten page report, in English or Spanish, on how Spanish may be used in various professional or life situations.                                                                                                 |
| 8. Be able to use Spanish. in the context of one's chosen profession.                                                                                                                               | Locate books and other documents in Spanish related. to one's major or future work situation.                                                                                                                                                                                                                                                                                                    | Portfolio report — two hundred vocabulary words of a highly specialized nature, with explanations or illustrations as necessary, to be approved by faculty.                                                    |
| 9. Read and write personal correspondence in Spanish.                                                                                                                                               | Formal Spanish courses, writing letters to friends and/or family members.                                                                                                                                                                                                                                                                                                                        | Completion of SPAN-227 Spanish Conversation and Composition with a grade of B or better, or presentation of portfolio of ten letters which the candidate has written to real, or imaginary persons.            |



| Intended Outcome                                                                                                             | Learning Activity                                                                                                                                                                                                    | Evaluation                                                                                                                                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10. Recognize the importance of aesthetic values in Hispanic life.                                                           | SPAN-229 Hispanic Literature in America or other Hispanic culture course, or research on ten Hispanic composers, artists, and/or authors, in consultation with the faculty.                                          | Grade of B or better in Spanish 229 or other advanced Hispanic culture course, or write an essay based on the results of research, emphasizing aesthetic values and the importance of art in the community.                                                                     |
| 11. Be familiar with several aesthetic characteristics used in the music, art and literature of Hispanic cultures.           | SPAN-201 Intermediate Spanish I and SPAN-229 Hispanic Literature in America, or, listen to Hispanic music, become familiar with examples of Hispanic art and read Hispanic authors, under consultation with faculty. | Completion, with a grade of B or better, of Spanish 201 and 229, or six credits in other courses based primarily on cultural material or presentation, in English or Spanish, of one example each from art, music, and literature, emphasizing unique Hispanic characteristics. |
| 12. Be familiar with some of the most important current, and historical events and situations in Spanish-speaking countries. | SPAN-201 Intermediate, Spanish I, or research from a collection of current and historical readings provided by faculty.                                                                                              | Grade of B or better in Spanish 201, or departmental exam based on recommended reading material.                                                                                                                                                                                |
| 13. Develop strategies for maintaining and improving language proficiency outside the academic setting.                      | Experience at least three media appropriate to language maintenance, such as Spanish-language movies or newspapers, audio review tapes or computer programs.                                                         | Write a reaction paper on your experience with three different media sources, in consultation with faculty.                                                                                                                                                                     |

## Training and Human Resource Development

Education is not the sole province of schools. Programs of instruction are conducted by many businesses, industries, in the military, and by other groups and organizations. Planning and providing this instruction is the province of professionals usually identified as "trainers." In our technological society, training programs have become increasingly complex and demands on trainers have increased. Greater expertise on their part is required. This all-university specialization addresses

needs for preservice and in-service education for trainers.

This program is intended for students who have expertise in areas such as engineering, technology, education, business, government, military and labor, and who desire to become involved in development and implementation of training programs. Contact the Office of the Dean, College of Technology, Engineering and Management for further information.

## Requirements for the Specialization

**Note:** Courses numbered 700 and greater are open to graduate students only.

| Intended Outcome                                                        | Learning Activity                                                                                                                                                                                                                                                                                                                                                                                      | Evaluation                                                                                                                                                                                                             |
|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Introduction to concepts of training and human resource development. | TRHRD-360/560 Training Systems in Business and Industry ..... 3<br><i>Select one of the following:</i><br>INMG-400/600 Organizational Leadership or<br>PSYC-382/582 Human Resource Management ..... 3                                                                                                                                                                                                  | Successful completion of courses at left (6 credits).                                                                                                                                                                  |
| 2. Design and develop training activities.                              | MEDIA-360/560 Introduction to Media in Education and Training..... 2<br><i>Complete a course from the appropriate school in curriculum development or course construction (2-3 credits) such as:</i><br>EDUC-312/512 Introduction to Curriculum, Methods and Assessment..... 2<br>MEBE-401 Marketing Education Curriculum..... 2-3<br>VTAE-438/638 Course Construction for Vocational Educators..... 2 | Successful completion of courses at left (minimum 4 credits).                                                                                                                                                          |
| 3. Implement and facilitate training activities.                        | <i>Select one of the following:</i><br>EDUC-312/512 Introduction to Curriculum, Methods and Assessment..... 2<br>MEBE-301 Marketing Education Methods ..... 3-4<br>TRHRD-370/570 Training Methods in Business and Industry..... 2<br>VTAE-405/605 Methods of Teaching Vocational Education..... 2                                                                                                      | Successful completion of a course at left (minimum 2 credits).                                                                                                                                                         |
| 4. Evaluate the effectiveness of training activities.                   | VTAE-440/640 Instructional Evaluation in Vocational Education..... 2                                                                                                                                                                                                                                                                                                                                   | Successful completion of the course at left (2 credits).                                                                                                                                                               |
| 5. Apply concepts of training in the professional area.                 | TRHRD-XXX Co-op/Internship in Training ..... 1-8                                                                                                                                                                                                                                                                                                                                                       | Successful completion of the contractual agreement of the internship as evaluated by the business, industry, government or military supervisor, and the UW-Stout supervisor. Completion of a field report is required. |



## Vocational Evaluation/Rehabilitation Technology

The impact of technology has changed assessment and service delivery in the field of rehabilitation. A philosophical shift to a more empowering stance with persons with disabilities has occurred as a result of the evaluation of their skills and abilities and the enhancement of those skills through assistive technology. This specialization educates and

trains vocational rehabilitation professionals and students in skills to meet the needs of people with disabilities, and to provide the services that are being demanded by employers, as well as persons with disabilities for use in the labor market and in accordance with the Americans with Disabilities Act.

## Requirements for the Specialization

| Intended Outcome                                                                                                                                                                                                                                                                                                                                                                                                                     | Learning Activity                                                                                                                                                                                                                                                                                                                                                 | Evaluation                                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Development of tool modification and accommodation:</b> demonstrate familiarity with and use of testing accommodations or modifications to facilitate the vocational exploration of persons with disabilities through the modification of tests, work samples, job sites and training materials, as appropriate.                                                                                                                  | "The Use of Assistive Technology" workshop, resulting in a report detailing the use and modification of testing strategies <i>or</i><br>REHAB-360/560 Assistive Technology ..... 2                                                                                                                                                                                | Faculty review and approval of report on use and modification of evaluation tools <i>or</i><br>Grade of "C" or better                                                                                                                       |
| <b>Communication of rehabilitation plan objectives and recommendations:</b> demonstrate the ability to incorporate the potential of assistive technology to enhance performance potential in the vocational choices of persons with disabilities.                                                                                                                                                                                    | "The Use of Assistive Technology" workshop, resulting in reports that include recommendations for the use of assistive technology <i>or</i><br>REHAB-360/560 Assistive Technology ..... 2                                                                                                                                                                         | Faculty review and approval of report on use and modification of evaluation tools <i>or</i><br>Grade of "C" or better                                                                                                                       |
| <b>Vocational rehabilitation process and philosophy:</b> outline and describe philosophical movements associated with vocational rehabilitation in the United States, describe the role of vocational rehabilitation/assessment in a diverse cultural environment, and describe the need that persons with disabilities have to be a part of society, focusing on strengths and assets that people bring with them to any situation. | Research paper describing process and philosophy <i>or</i><br>Demonstrated work experience of three or more years and professional development credentials <i>or</i><br>REHAB-101 Introduction to Rehabilitation..... 3                                                                                                                                           | Faculty review and approval of research paper or work experience and professional credentials <i>or</i><br>Grade of "C" or better                                                                                                           |
| <b>Occupational Information:</b> find and use various sources of national, state and local occupational information; link rehabilitation recommendations to the local labor market of the person being served.                                                                                                                                                                                                                       | Demonstrate work experience as a job developer or placement specialist of two or more years <i>or</i><br>"Job Development and Placement and Occupational Information" workshop resulting in appropriate work recommendations in a written report <i>or</i><br>REHAB-310 Vocational Evaluation <i>or</i><br>REHAB-410 Job Placement..... 3                         | Faculty review of work experience or faculty review and approval of report recommendations <i>or</i><br>Grade of "C" or better                                                                                                              |
| <b>Functional aspects of disability:</b> develop knowledge of the functional characteristics of disability and understand the impact of evaluating the skill and abilities of a person with a disability.                                                                                                                                                                                                                            | Research paper on effect of disabling condition(s) in vocational rehabilitation <i>or</i><br>Test out with faculty-developed standardized test <i>or</i><br>REHAB-230 Psychosocial Aspects of Disability..... 3                                                                                                                                                   | Faculty review and approval of research paper <i>or</i><br>80 percent or better on the standardized test <i>or</i><br>Grade of "C" or better                                                                                                |
| <b>Individualized vocational rehabilitation/evaluation planning:</b> identify and delineate the individual needs of a person with a disability; state those needs in a plan for testing skills and abilities in relation to the accomplishment of a task or goal.                                                                                                                                                                    | "Rehabilitation Planning" workshop resulting in written vocational rehabilitation plan <i>or</i><br>Work experience of two or more years, one letter of reference from a supervisor, three letters of reference from professional referral sources, and five letters of reference from consumers of services <i>or</i><br>REHAB-310 Vocational Evaluation ..... 3 | Faculty review and approval of written rehabilitation plan of three separate case studies provided during workshop <i>or</i><br>Faculty review and approval of work experience and letters of reference <i>or</i><br>Grade of "C" or better |
| <b>Vocational interviewing:</b> demonstrate the development of rapport, provision of agency and assessment information, initial identification of client strengths and limitations through the vocational interview; and create an understanding of the process of vocational rehabilitation through the vocational interview.                                                                                                       | "Vocational Interviewing and Facilitating Career Decision Making with Clients" workshop resulting in the videotaping of a vocational interview <i>or</i><br>Demonstrate evidence of past work experience as a vocational counselor for two or more years <i>or</i><br>Complete college level course work in vocational interviewing                               | Faculty review and approval of videotaped vocational interview <i>or</i><br>Faculty review and approval of work experience <i>or</i><br>Faculty review and approval of college level course work                                            |
| <b>Vocational report development and communication:</b> interpret, analyze, and synthesize participant data in a coherent and concise manner that addresses needs, strengths, and assets of the participant and develops pertinent recommendations through a report shared orally and in writing with the participant/client and referral source/rehabilitation counselor.                                                           | "Vocational Rehabilitation Report Development and Communication" workshop <i>or</i><br>Four written reports addressing needs of four case studies presented during the workshop <i>or</i><br>REHAB-310 Vocational Evaluation ..... 3                                                                                                                              | Faculty review and approval of the written report options and letters of reference <i>or</i><br>Grade of "C" or better                                                                                                                      |



| Intended Outcome                                                                                                                                                                                                                                                                                                                                                                          | Learning Activity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Evaluation                                                                                                                                                                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Standardized testing:</b> become familiar with the procedures for administering and interpreting standardized tests and application of tests to persons with disabilities, understand the impact of the disabling condition and the use of the most appropriate test, and develop a report explaining the impact of testing and using results with a vocational rehabilitation report. | Previous college course work in the use of psychometric testing and principles of validity and reliability <i>or</i><br>“Standardized Testing” workshop and paper describing use of standardized tests with persons with disabilities <i>or</i><br>Past work experience of two years or more where responsibilities include administering and interpreting standardized tests with a supervisor’s letter and at least one referral source/rehabilitation counselor <i>or</i><br>REHAB-420/620 Psychological Testing – People with Exceptional Need ..... 3                | Faculty review and approval of previous course work <i>or</i><br>Faculty review and approval of workshop paper <i>or</i><br>Faculty review and approval of work experience and letters of recommendation <i>or</i><br>Grade of “C” or better |
| <b>Job and Training Analysis:</b> perform a job analysis and develop a training analysis on a given job and do a written report; use the job analysis to determine the most appropriate evaluation tools to use with a person with a disability to measure performance ability; determine appropriate training or education to prepare for the job.                                       | Read <i>A Guide to Job Analysis</i> or <i>The Revised Handbook for Analyzing Jobs</i> , participate in an online discussion of the materials and procedures of job analysis, select a job in the community that reflects occupational choices of agency participants, prepare a job analysis report, select and describe evaluation tools most appropriate for someone interested in the occupation <i>or</i><br>REHAB-410 Job Placement..... 3                                                                                                                           | Faculty review and approval of the job and training analysis report and online discussion <i>or</i><br>Grade of “C” or better                                                                                                                |
| <b>Functional Skills:</b> use appropriate tools and strategies to evaluate the functional daily living skills of an individual with a disability, select appropriate method to determine level of functional skill, develop and use situational assessment to establish an understanding of the individual functional skills of a person with a disability.                               | “Functional Skills Assessment” workshop and report <i>or</i><br>Demonstrate evidence of past work experience of two or more years involving vocational evaluation/ functional skills assessment and/or situational assessment with two letters of reference from referral sources <i>or</i><br>REHAB-470/670 Work Adjustment Services ..... 3                                                                                                                                                                                                                             | Faculty review and approval of report <i>or</i><br>Faculty review and approval of work experience and letters of reference <i>or</i><br>Grade of “C” or better                                                                               |
| <b>Assessment of Learning:</b> demonstrate awareness of learning styles and modalities of teaching through use of selected tests, modify test administration to the demands of the learning/teaching situation.                                                                                                                                                                           | Previous college-level course work in educational psychology, special education, adult or vocational education that address issues of learning and learning styles and use of learning assessments <i>or</i><br>Paper describing learning styles and assessment of such styles, with assessment tool selection and modification                                                                                                                                                                                                                                           | Faculty review and approval of course work <i>or</i><br>Faculty review and approval of paper                                                                                                                                                 |
| <b>Work samples and work sample systems:</b> demonstrate appropriate use of work samples and work sample systems as means of assessment within a given occupation, demonstrate appropriate use of work samples and systems with different types of disabling conditions.                                                                                                                  | “Work Sample and Work Sample Systems” workshop and research paper <i>or</i><br>REHAB-310 Vocational Evaluation ..... 3                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Faculty review and approval of research paper <i>or</i><br>Grade of “C” or better                                                                                                                                                            |
| <b>Behavioral Observation:</b> observe and note behaviors of individuals during the assessment process as asset or limitation behaviors in relation to the accomplishment of a target goal.                                                                                                                                                                                               | Read appropriate, assigned material and develop a written behavior observation of five clients where observations were critiqued by at least two other professionals, including the referring counselor <i>or</i><br>Demonstrate evidence of work experience in vocational rehabilitation/evaluation where duties included writing and/or noting behavioral observations, with a letter from a supervisor and two from referral sources attesting to accuracy and usability of the written behavioral observations, including examples of written behavioral observations | Faculty review and approval of observations, critiques and reports <i>or</i><br>Faculty review and approval of work experience, letters of reference, and examples of written behavioral observations                                        |

# Professional Development Certificates

## Introduction

UW-Stout offers "professional development certificate" programs in addition to its traditional majors and minors to meet the needs of those who wish to obtain additional knowledge and skills needed for personal growth and professional advancement.

While not a substitute for a degree or diploma, the certificate is an alternative credential for individuals seeking to obtain new knowledge and skills or to update their knowledge and skills in a specific area.

Typically, a certificate is earned by completing a set of limited, well defined learning outcomes focused on new or emerging processes or new knowledge and principles applied to practical problems or issues.

These course sets lead to a certificate only. If you're interested in a bachelor's degree, please refer to the degree programs found elsewhere in this bulletin.

## Cisco Certified Network Associate Exam Preparation Certificate

The Cisco Certified Network Associate (CCNA) Exam Preparation Certificate prepares students to pass examinations through the use of lecture, online curriculum, and laboratory exercises. In order to earn the certificate, students must pass the following courses and professional exams:

|                         |                                             |   |
|-------------------------|---------------------------------------------|---|
| TCS-131                 | Network operating System Fundamentals ..... | 2 |
| TCS-141                 | Networking Fundamentals I .....             | 2 |
| TCS-142                 | Networking Fundamentals II .....            | 2 |
| TCS-143                 | Networking Fundamentals III .....           | 2 |
| TCS-144                 | Networking Fundamentals IV .....            | 2 |
| <b>Exam:</b> Cisco CCNA |                                             |   |

**For more information:** Steve Schlough, schloughs@uwstout.edu , 715/232-1484

## Cisco Certified Design Associate Exam Preparation Certificate

The Cisco Certified Design Associate (CCDA) Exam Preparation Certificate prepares students to pass examinations through the use of lecture, online curriculum, and laboratory exercises. In order to earn the certificate, students must pass the following courses and professional exams:

|                         |                                             |   |
|-------------------------|---------------------------------------------|---|
| TCS-131                 | Network operating System Fundamentals ..... | 2 |
| TCS-141                 | Networking Fundamentals I .....             | 2 |
| TCS-142                 | Networking Fundamentals II .....            | 2 |
| TCS-143                 | Networking Fundamentals III .....           | 2 |
| TCS-144                 | Networking Fundamentals IV .....            | 2 |
| <b>Exam:</b> Cisco CCNA |                                             |   |
| TCS-382/582             | Network System Design .....                 | 3 |
| <b>Exam:</b> Cisco DCN  |                                             |   |

**For more information:** Steve Schlough, schloughs@uwstout.edu , 715/232-1484

## Cisco Certified Network Professional Exam Preparation Certificate

The Cisco Certified Network Professional (CCNP) Exam Preparation Certificate prepares students to pass examinations through the use of lecture, online curriculum, and laboratory exercises. In order to earn the certificate, students must pass the following courses and professional exams:

|                                  |                                     |   |
|----------------------------------|-------------------------------------|---|
| TCS-441/641                      | Scalable Internetworks .....        | 3 |
| <b>Exam:</b> Cisco Routing       |                                     |   |
| TCS-442/642                      | Remote Access Networks .....        | 3 |
| <b>Exam:</b> Cisco Remote Access |                                     |   |
| TCS-443/643                      | Multi-Layer Switched Networks ..... | 3 |
| <b>Exam:</b> Cisco Switching     |                                     |   |
| TCS-444/644                      | Internetwork Troubleshooting .....  | 3 |
| <b>Exam:</b> Cisco Support       |                                     |   |

**For more information:** Steve Schlough, schloughs@uwstout.edu , 715/232-1484

## Cisco Certified Design Professional Exam Preparation Certificate

The Cisco Certified Design Professional (CCDP) Exam Preparation Certificate prepares students to pass examinations through the use of lecture, online curriculum, and laboratory exercises. In order to earn the certificate, students must pass the following courses and professional exams:

|                                  |                                     |   |
|----------------------------------|-------------------------------------|---|
| TCS-441/641                      | Scalable Internetworks .....        | 3 |
| <b>Exam:</b> Cisco Routing       |                                     |   |
| TCS-442/642                      | Remote Access Networks .....        | 3 |
| <b>Exam:</b> Cisco Remote Access |                                     |   |
| TCS-443/643                      | Multi-Layer Switched Networks ..... | 3 |
| <b>Exam:</b> Cisco Switching     |                                     |   |
| TCS-445/645                      | Internetwork Design .....           | 3 |
| <b>Exam:</b> Cisco Design        |                                     |   |

**For more information:** Steve Schlough, schloughs@uwstout.edu , 715/232-1484

## Creative Writing

The Creative Writing Certificate provides participants with expertise in areas of effective creative writing to meet a range of written communication and problem solving responsibilities in business, industry, and education. Participants must complete the following courses with a B or better to earn the certificate:

### Tier One – Required

|          |                                                        |   |
|----------|--------------------------------------------------------|---|
| ENGL-245 | Creative Writing .....                                 | 3 |
| ENGL-XXX | Creative Writing II ( <i>under development</i> ) ..... | 3 |

### Tier Two – Choice of two courses

|          |                                                  |   |
|----------|--------------------------------------------------|---|
| ENGL-356 | Creative Writing Workshop ( <i>repeatable</i> ): |   |
|          | 1) Advanced Fiction Writing                      |   |
|          | 2) Advance Poetry Writing                        |   |
|          | 3) Advanced Creative Nonfiction Writing .....    | 6 |

### Tier Three – Choice of one

|          |                              |   |
|----------|------------------------------|---|
| ENGL-361 | Hypertext Writing or         |   |
| ENGL-371 | Writing for Multimedia ..... | 3 |

### Tier Four – Capstone Seminar

|          |                                                               |   |
|----------|---------------------------------------------------------------|---|
| ENGL-4XX | The Writer at Work Seminar ( <i>under development</i> ) ..... | 2 |
|----------|---------------------------------------------------------------|---|

**For more information:** Brian Fitch, fitchb@uwstout.edu, 715/232-1485

## Gaming Management

The professional development certificate in Gaming Management will provide gaming personnel, graduate and undergraduate students, and international audiences with an understanding of the operational and management aspects of casino gaming while addressing the historical, legal, economic, social, psychological, and tourism impacts that gaming entertainment has on communities and societies.

|            |                                     |   |
|------------|-------------------------------------|---|
| HT-315/515 | Gaming Management .....             | 3 |
| HT-316/516 | Casino Operations Management .....  | 3 |
| HT-317/517 | Psychosocial Issues in Gaming ..... | 3 |
| HT-418/618 | Casino Tourism .....                | 3 |

**For information:** Sharon Giroux, giroux@uwstout.edu, 715/232-2089

## Human Resource Management

The Human Resource Management certificate program provides a broad base of knowledge to professionals seeking to expand their management competencies. The coursework is essential to prepare for the Professional Human Resource (PHR) exam, developed by the Society for Human Resource Management (SHRM) and recognized nationally as a significant credential for professional advancement in human resources. Competencies required by human resources professionals are best defined by content of the SHRM examination, and they are the same competencies covered in the coursework required for the certificate. The certificate in no way implies or guarantees that the student will pass the exam but should be seen as an important professional accomplishment.

The following courses provide the student with knowledge in all of the tested areas:

|               |                                                    |     |
|---------------|----------------------------------------------------|-----|
| PSYC-381/581  | Industrial Psychology .....                        | 2   |
| PSYC-382/582  | Human Resource Management .....                    | 3   |
| PSYC-403/603  | Management of Employee Reward Systems .....        | 3   |
| PSYC-485/685  | Recruitment and Selection of human Resources ..... | 3   |
| TRHRD-360/560 | Training Systems in Business and Industry .....    | 3   |
| ECON-421/621  | Collective Bargaining and Labor Relations .....    | 2   |
| RC-381/581    | Occupational Safety/Loss Control .....             | 2-3 |

**For more information:** Mitchell Sherman, shermanm@uwstout.edu, 715/232-2658

## Quality Management

The Quality Management certificate program provides specific and focused content and activities to enable participants to develop competencies and skills commonly required for quality professionals. Completion of the certification program will prepare participants to pursue further credentials in the quality area, including American Society for Quality (ASQ) certification tests. Students earn the certificate by completing the following courses with a B- or better in each course:

|           |                                       |     |
|-----------|---------------------------------------|-----|
| INMGT-120 | Quality Concepts .....                | 3   |
| INMGT-320 | Quality Tools .....                   | 3   |
| INMGT-325 | Quality Management .....              | 3   |
| INMGT-220 | Quality Systems-Service Industries or |     |
| INMGT-420 | Quality Assurance Practicum .....     | 3-4 |

**For more information:** Donna Stewart, stewartd@uwstout.edu, 715/232-1234

# Undergraduate Courses

Undergraduate courses are provided online as separate HTML files, listed by college or school and curricular subject abbreviations. If there is no link, then no undergraduate courses are available in that particular subject.

- [General Education, Ethnic Studies and Global Perspective Requirements](#)  
This document describes the purpose of and outlines the requirements of each of these course categories.
  - [Interpreting Course Descriptions](#)  
This document will help you understand the various codes used in the course descriptions that follow.
- 

## Academic Affairs

- [TRDIS](#) Transdisciplinary

## College of Arts and Sciences

- [APSC](#) Applied Science
- [CAS](#) College of Arts and Sciences
- [WS](#) Women's Studies

## Art and Design

- [ART](#) Art
- [DES](#) Design
- [ARTH](#) Art History

## Biology

- [BIO](#) Biology

## Chemistry

- [CHEM](#) Chemistry

## English and Philosophy

- [ENGL](#) English
- [LIT](#) Literature
- [LOG](#) Logic
- [PHIL](#) Philosophy

## Mathematics, Statistics and Computer Science

- [CS](#) Computer Science
- [MATH](#) Mathematics
- [MSCS](#) Mathematics, Statistics and Computer Science
- [STAT](#) Statistics

## Physics

- [PHYS](#) Physics

## Social Science

- [ANTH](#) Anthropology
- [ECON](#) Economics
- [GEOG](#) Geography
- [HIST](#) History
- [POLS](#) Political Science
- [SOC](#) Sociology
- [SOCWK](#) Social Work

## Speech Communication, Foreign Languages, Theatre and Music

- [FREN](#) French
- [SPAN](#) Spanish
- [CHIN](#) Chinese
- [GER](#) German
- [HMON](#) Hmong
- [RUS](#) Russian
- [MUSIC](#) Music
- [SPCOM](#) Speech Communication
- [THEA](#) Theatre

## College of Human Development

- [CHD](#) College of Human Development

## Food and Nutrition

- [FN](#) Food and Nutrition

## Hospitality and Tourism

- [GEM](#) Golf Enterprise Management
- [HT](#) Hospitality and Tourism
- [SRVM](#) Service Management

## Human Development and Family Studies

- [HDFS](#) Human Development and Family Studies

## Physical Education and Athletics

- [HLTH](#) Health
- [PE](#) Physical Education and Athletics

## Psychology

- [PSYC](#) Psychology
- [MFT](#) Marriage and Family Therapy

## Rehabilitation and Counseling

- [COUN](#) Counseling
- [REHAB](#) Vocational Rehabilitation

## College of Technology, Engineering and Management

- **CTEM** College of Technology, Engineering and Management
- [SRVM](#) Service Management

## Apparel and Communication Technologies

- [APRL](#) Apparel Design/Manufacturing
- [GCM](#) Graphic Communications Management
- [MEDIA](#) Media Technology
- [TCS](#) Telecommunication Systems
- [TECH](#) Technology

## Business

- [BUACT](#) Business Accounting
- [BUINB](#) Business International Business
- [BULGL](#) Business Legal
- [BUMGT](#) Business Management
- [BUMIS](#) Business Management Information Systems
- [BUMKG](#) Business Marketing
- [BURTL](#) Business Retail

## Engineering and Technology

- [CADD](#) CADD/Drafting
- [ELEC](#) Electricity/Electronics
- [MECH](#) Engineering Mechanics
- [MFGE](#) Manufacturing Engineering
- [MFGT](#) Manufacturing Technology
- [PKG](#) Packaging
- [POWER](#) Power
- [RD](#) Design, Research and Development
- [TRANS](#) Transportation/Energy

## Military Science

- [MSL](#) Military Science and Leadership

## Operations, Construction and Management

- [AEC](#) Architecture, Engineering and Construction
- [INMGT](#) Industrial Management
- [RC](#) Risk Control

- [TRHRD](#) Training and Human Resource Development

## School of Education

- [ARTED](#) Art Education
- [CTE](#) Career and Technical Education
- [ECE](#) Early Childhood Education
- [EDUC](#) Education
- [FCSE](#) Family and Consumer Sciences Education
- [MBE](#) Marketing Education/Business Education
- [SCOUN](#) School Counseling
- [SPED](#) Special Education
- [SPSY](#) School Psychology
- [TECED](#) Technology Education